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**LOW-SPEED WIND-TUNNEL TESTS OF A  
1/10-SCALE MODEL OF AN ADVANCED ARROW-WING  
SUPERSONIC CRUISE CONFIGURATION DESIGNED  
FOR CRUISE AT MACH 2.2**

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(NASA-TM-80152) LOW-SPEED WIND-TUNNEL TESTS  
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By

Long P. Yip and Lysle P. Parlett

SUMMARY

Tests were conducted in the Langley Full Scale Tunnel to determine the low-speed aerodynamic characteristics of a 1/10-scale model of an advanced arrow-wing supersonic cruise configuration designed for cruise at Mach 2.2. Configurations tested included various segmented leading-edge flaps, use of a single-slotted trailing-edge flap, and use of a slotted spoiler/deflector system to improve the landing and take-off modes of operation. Extensive pressure data were also obtained for one wing panel.

The data indicated that the basic configuration exhibited static longitudinal instability for lift coefficient greater than 0.3. Deflecting the leading-edge flaps reduced vortex lift and pitch instability. In addition, leading-edge flap deflection improved leading-edge suction and improved maximum L/D. The single-slotted trailing-edge flap was effective in providing increments of lift but produced nose down pitching moments. Lateral-directional data indicated that leading-edge flap deflection increased lateral stability but reduced directional stability at high angles of attack. Use of spoilers for roll control were more effective with increasing trailing-edge flap deflection. With trailing-edge flap deflection of  $30^{\circ}$ , spoilers alone were as effective as the combination of spoiler/deflector. Combination of spoiler and aileron deflections was effective in providing enough lateral control to trim out rolling moments due to sideslips of  $10^{\circ}$  for angles of attack up to  $11^{\circ}$ . Rudder deflection of  $25^{\circ}$  was more than adequate to trim out yawing moments due to sideslip of  $15^{\circ}$ .

## INTRODUCTION

The present investigation was conducted to determine the low-speed performance, stability, and control characteristics of an advanced arrow-wing supersonic cruise configuration designed for cruise at Mach 2.2. The investigation was made in cooperation with the McDonnell Douglas Corporation as part of an overall effort by the National Aeronautics and Space Administration to provide a technology base for the formulation and development of supersonic cruise vehicles. The Mach 2.2 design is a compromised aircraft from a Mach 2.7 design in terms of operating costs, near-term technology materials, and reduced program risk. The configuration design and propulsion system development of this aircraft was discussed in references 1 and 2. The aircraft was sized with a  $929.0 \text{ m}^2$  ( $10,000 \text{ ft}^2$ ) wing area and an average wing thickness ratio of 3-percent to meet requirements of a  $7412.7 \text{ km}$  (4,000 nmi) range and a  $3,336 \text{ kN}$  (750,000 lb) gross take-off weight for Mach 2.2 cruise.

Although supersonic cruise configurations are efficient in the high-speed flight regime, they exhibit generally poor low-speed performance and stability and control characteristics (see references 3, 4, and 5). Some of these deficiencies include low levels of lift for landing and take-off, pitch-up at moderate angles of attack, poor lateral-directional handling qualities, and low levels of lateral control power. Some of the features of this Mach 2.2 design that are intended to improve the low-speed aerodynamic characteristics include: the use of segmented leading-edge flaps to improve L/D and reduce pitch instability; the use of single-slotted trailing-edge flap to improve levels of lift; and the use of a slotted spoiler/deflector system to improve roll control.

The tests were conducted in the Langley Full Scale Tunnel on a 1/10-scale model of an advanced arrow-wing supersonic cruise aircraft designed by the

McDonnell Douglas Corporation for Mach 2.2 cruise. The tests were made at Reynolds number of about  $4.18 \times 10^6$  based on the mean aerodynamic chord of 1.975 m (6.48 ft), with an angle of attack range from about  $-6^\circ$  to  $23^\circ$  and sideslip angle range from  $-15^\circ$  to  $20^\circ$ . The tests were conducted to determine effects of leading-and trailing-edge flap deflection, aileron and spoiler/deflector, horizontal tail, and the vertical tail. Extensive wing pressure distributions were also measured. A few tests were made with the flow-through engine nacelles removed.

#### SYMBOLS

The longitudinal data are referred to the stability system of axes, and the lateral-directional data are referred to the body system of axes. The dimensional quantities are given in the International System of Units and parenthetically in U.S. Customary Units.

A	aspect ratio
b	wing span, 4.131 m (13.55 ft)
c	wing chord, m (ft)
$\bar{c}$	mean aerodynamic chord, 1.975 m (6.480 ft)
$C_D$	drag coefficient, $\frac{\text{Drag}}{qS}$
$C_{D\min}$	minimum drag coefficient
$C_L$	lift coefficient, $\frac{\text{Lift}}{qS}$
$C_{L\min}$	lift coefficient at $C_{d\min}$
$C_l$	rolling-moment coefficient, $\frac{\text{Rolling moment}}{qSb}$

$C_{\ell_B}$	rolling-moment due to sideslip
$C_m$	pitching-moment coefficient, $\frac{\text{Pitching moment}}{qS\bar{c}}$
$C_n$	yawing-moment coefficient, $\frac{\text{Yawing moment}}{qS_b}$
$C_{n_B}$	yawing moment due to sideslip
$C_p$	pressure coefficient, $\frac{P - P_\infty}{q}$
$C_Y$	side-force coefficient, $\frac{\text{Side force}}{qS}$
$C_{Y_B}$	side-force due to sideslip
$i_t$	incidence angle of horizontal tail, positive trailing-edge down, deg
L/D	lift-to-drag ratio
P	local static pressure, Pa (lb/ft <sup>2</sup> )
$P_\infty$	free-stream static pressure, Pa (lb/ft <sup>2</sup> )
q	free-stream dynamic pressure, Pa (lb/ft <sup>2</sup> )
S	wing area, 9.29 m <sup>2</sup> (100 ft <sup>2</sup> )
$\alpha$	angle of attack, deg
$\alpha_0$	angle of attack at zero lift, deg
$\beta$	angle of sideslip, deg
$\delta_a$	aileron deflection angle, positive trailing-edge down, deg (+) for drooped deflection <u>(+)</u> for differential deflection set for positive roll
$\delta_{f,le}$	leading-edge flap deflection referenced to undeflected leading-edge position, deg
$\delta_{f,te}$	trailing-edge deflection, deg
$\delta_r$	rudder deflection, positive for trailing-edge left, deg
$\delta_s$	spoiler configuration; 60 for spoiler/deflector; -60 for inverted spoiler/deflector; 601 for spoiler only - (see figure 2)

**Subscripts:**

1, 2, 3, 4, 5, 6,      wing leading-edge flap segments (used with  $\delta_{f,le}$ ); 1, nearest wing root and 6, nearest wing tip (see figure 1).

S = 0      zero-percent leading-edge suction

S = 1.0      one hundred-percent leading-edge suction

**Abbreviations:**

BS      body station (longitudinal distance from model nose)

WL      model water line

**MODEL**

The dimensional characteristics of the 1/10-scale model are shown in figure 1. A schematic drawing of the leading-and trailing-edge flaps and the spoiler/deflector system is shown in figure 2. Photographs of the model mounted in the Langley Full Scale Tunnel are shown in figure 3. The model was constructed of fiberglass over an aluminum frame and was essentially rigid for this test. The model was instrumented with 270 pressure orifices distributed among five spanwise rows over the wing. The locations of the orifices are given in Table I. The pressure data were obtained using scanivalve transducers.

The wing consisted of an arrow planform with an inboard leading-edge sweep angle of 71° and an outboard sweep of 57° with the leading-edge break at the 63-percent semispan location (see figure 1). The wing was constructed with four segments of leading-edge flap deflection inboard and two segments of leading-edge flap deflection outboard of the leading-edge break. A schedule of configurations for various combinations of leading-edge deflections is given in Table II. The wing had an inboard and outboard single-slotted trailing-edge flap system

as shown in figure 2. The trailing edge flaps were deflected from 0° to 30°. Also shown in figure 2 are the slotted spoiler/deflector and the inverted spoiler/deflector. The spoiler/deflector system was tested only asymmetrically for its effect on roll control. The model was tested in a limited number of runs with the engine nacelle removed. The tail-off configuration on most of the tests consisted of having both horizontal and vertical tails removed.

#### TESTS AND CORRECTIONS

Static force tests were made on the 1/10-scale mode, in the Langley Full Scale Tunnel at a freestream dynamic pressure of  $q = 575 \text{ Pa}$  (12 psf). Tests were conducted over an angle of attack range from about -6° to 23° and over a sideslip range from -15° to 20°.

Flow visualization on this model was made with a technique developed at McDonnell Douglas Corporation and reported in reference 5. This technique, referred to as non-intrusive fluorescent mini-tufts, allows a large number of tufts to be applied to a model in a way that produces negligible interference with model forces or pressures. The basis of the method is the use of extremely fine nylon mono-filament fiber for tufts and a process of attaching the tufts to the model surface with small drops of liquid adhesive. The tufts are rendered visible with fluorescent photography. Previous experience with fluorescent mini-tufts have shown differences of only two to three drag counts due to the presence of the tufts. This feature allows flow visualization tests to be run concurrent with static force tests.

The model was tested inverted to evaluate the flow angularity and strut tares, and these corrections were applied to the data. A buoyancy correction computed to be  $\Delta C_D = .0004$  was applied to the data. In tests of

similar configurations (references 3 and 4), tunnel wall corrections were found to be negligible and thus were not applied to the data. Blockage corrections determined from tunnel surveys of similar size models were applied to the data.

#### PRESENTATION OF DATA

A test schedule and tabular listing of the data are presented in Appendix.

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#### RESULTS AND DISCUSSION

The data are presented in figures 4 to 42 with only limited analysis in order to expedite publication of results.

#### Longitudinal Aerodynamic Characteristics

Flow Visualization.- Photographs of the tuft study are shown in figures 4 and 5 for a clean leading-edge configuration with trailing-edge flap deflection of  $0^\circ$  and  $30^\circ$ . The fluorescent tufts were attached to the left wing panel for these tests. Tape used to seal the leading-and trailing-edge devices on the right wing panel also shows up in the photographs, indicating the wing outline. In general, the photographs indicate that spanwise flow indicative of vortex flow starts at the leading-edge of the outboard panel at about  $\alpha = -1^\circ$  and moves inboard. At  $\alpha = 5^\circ$ , there is spanwise flow along the entire span of the leading-edge and is very predominant in the outboard panel. This spanwise flow pattern moves inboard and rearward as angle of attack increases. There is

little difference in the flow pattern between flap deflections of  $0^\circ$  and  $30^\circ$ . This can be seen in the pitching moment data, discussed later, where pitch-up of both configurations occur at the same angle of attack.

Pressure Distributions.- The data obtained from the five spanwise rows of surface pressure orifices are shown in figures 6-9 for a sample of representative configurations. A more complete presentation of the pressure data is reported in reference 8. The configurations presented have leading-edge deflections of  $(\delta_{f,le})_1, 2, 3, 4, 5, 6 = 0^\circ, 0^\circ, 0^\circ, 0^\circ, 0^\circ, 0^\circ$ , and  $(\delta_{f,le})_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$  with trailing-edge deflections of  $0^\circ$  and  $30^\circ$ .

In general, the data indicated that leading-edge deflection reduced the peak loading near the leading-edge and produced more loading on the outboard panel at higher angles of attack (up to  $19^\circ$ ) compared to the clean leading-edge. The slotted trailing-edge flap was very effective in producing a pressure loading when deflected  $30^\circ$  throughout the entire range of angle of attack. The leading-edge loading was not affected much by the slotted trailing-edge flap system.

Effect of Segmented Leading-Edge Deflections.- The effect of segmented leading-edge flap deflection is shown in figure 10 for various trailing-edge flap settings. The basic clean configuration with leading- and trailing-edge flaps up exhibited a pitch instability associated with vortex lift above  $C_L = .3$ . Leading-edge deflection reduced the vortex lift and pitch instability, and generally reduced vortex drag, however, it did not delay the angle of attack at which pitch-up occurred. The maximum L/D produced,  $L/D = 10.60$  at  $C_L = 0.26$ , was made for a configuration of  $(\delta_{f,le})_1-6 = 13, 34, 35, 19, 29$  and  $\delta_{f,te} = 0^\circ$ . This is a substantial improvement over the maximum L/D of 7.44 at  $C_L = .2$  obtained with the clean leading-edge.

Leading-Edge Suction Analysis.- A method of comparing configurations for their leading-edge suction effects is discussed in reference 7 and is used here for comparison purposes. Figure 22 compares drag polars of various leading-edge configurations with curves indicating the 0-percent and 100-percent leading-edge suction drag polars. The leading-edge suction curves were obtained from the following equations using the data from the basic clean configuration:

$$C_{D_S=0} = C_L \tan(\alpha - \alpha_0) + C_{D\min}$$

$$C_{D_S=1.0} = \frac{(C_L - C_{L\min})^2}{\pi A} + C_{D\min}$$

The data is shown in figure 23 as a fraction of full leading-edge suction. The amount of leading-edge suction is an indication of the aerodynamic efficiency of the leading-edge deflection. The data indicate that a leading-edge configuration of  $(\delta_{f,le})_1, 2, 3, 4, 5, 6, = 13, 34, 35, 35, 19, 29$  with  $\delta_{f,te} = 0^\circ$  developed 92 percent suction at a  $C_L = .2$ , while the clean configuration developed less than 31-percent suction above  $C_L = .2$ . With trailing-edge flaps deflected  $30^\circ$ , the clean leading-edge configuration developed about 60-percent suction above  $C_L = .45$ , however with the leading-edge slightly deflected, more suction was produced at the higher  $C_L$ 's between  $0.4 < C_L < 0.7$

Effect of Trailing-Edge Flap Deflection.- The effects of trailing-edge flap deflections are shown in figure 14 for various leading-edge configurations. In a few tests, ailerons were deflected along with flaps to simulate a full-span trailing-edge flap deflection.

The data of figure 14 indicated that the trailing-edge flap system was effective in producing an increment in lift accompanied by an increase in nose down pitching moments with pitch instability delayed to higher  $C_L$ 's, and an increase in L/D at higher  $C_L$ 's. The deflection of ailerons along with

trailing-edge flaps resulted in slight increases in lift and negative pitching moments with little effect on L/D.

Horizontal Tail Effectiveness.- The horizontal tail provided a small stabilizing contribution up to the pitch break on the pitching moment curve. At  $C_L$ 's above the pitch break, the horizontal tail had little effect on pitch stability.

Longitudinal control effectiveness is provided by deflecting the all movable horizontal tail, and data on the effect of deflecting the horizontal tail through a range of +5° to -15° are shown in figure 17. Data from figure 11 indicate that the tail was effective in producing an increment in pitching moment for the range of deflection tested.

In order to investigate the effect of tail deflection on a number of configurations, a tail deflection of  $i_t = -10^\circ$  was used with several configurations. The data are shown in figure 18.

Effect of Sideslip.- The effects of sideslip on the longitudinal aerodynamic characteristics are shown in figure 21. The data show a slight stabilizing effect on the clean configuration and slight destabilizing effect on the high-lift configuration at high  $C_L$ 's.

#### Lateral Directional Stability Characteristics

The effects of sideslip on lateral-directional stability characteristics are shown in figures 24 to 27. The effect of leading-edge deflection, vertical and horizontal tails, ventral, and nacelles on lateral-directional stability derivatives are shown in figures 28 to 32. The lateral-directional stability derivatives,  $C_{y\beta}$ ,  $C_{n\beta}$ , and  $C_{l\beta}$ , were determined from data at  $\beta = 0^\circ$  and  $\beta = 5^\circ$ .

The data indicated that leading-edge flap deflection decreased directional stability. The tail contributed a positive increment of directional stability although the effect generally decreased at above angles of attack of  $16^\circ$ . The ventral had little effect on the clean leading-and trailing-edge flap configuration, but on the flaps-deflected configuration shown on figure 31, the ventral decreased directional stability above  $\alpha = 14^\circ$ . The addition of the nacelles indicated a slight increase in lateral stability.

#### Lateral/Directional Control Characteristics

Lateral control effectiveness was provided by deflecting differential aileron and use of a slotted spoiler/deflection system (see figure 2). The spoiler/deflector was deflected in a normal position at the inboard and midspan location of the right wing and in an inverted position at an outboard location on the left wing to produce right roll; i.e., positive  $\Delta C_L$ . A few tests were made with the spoilers deflected alone without slotted deflectors.

The effects of the spoiler/deflector system on lateral control are shown in figures 33 and 34. With trailing-edge flaps up, the data indicated a reversal in roll control on configurations with spoiler/deflectors deployed in the mid-span position, inboard and mid-span position, or with spoilers deflected alone in the inboard and mid-span position. Only the inverted spoiler/deflector in the outboard position produced a positive increment of  $C_L$  for the basic clean configuration. With trailing-edge flaps deflected, the data indicated that the slotted spoiler/deflector system and the unslotted spoiler alone was effective in producing a positive increment of lateral control. On a configuration with leading-edge and trailing-edge flaps deflected  $30^\circ$  a combination of inboard and midspan spoiler deflection produced almost the same amount of lateral

control as the slotted spoiler/deflection system. The outboard inverted spoiler/deflector provided no positive increment in roll control in this configuration.

The effects of sideslip on lateral-directional characteristics on a configuration with spoiler deflection alone on the inboard and mid-span are shown in figure 35. The data indicated that with spoiler deflection alone at the inboard and mid-span location, there is enough lateral control to trim the rolling moment for a sideslip of 10° up to an angle of attack of 5° for this configuration with leading-edge deflection of  $(\delta_{f,le})$  1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29  $\delta_{f,te} = 30^\circ$ .

The effects of differential aileron deflections on lateral directional characteristics are shown in figures 36 and 37. The data indicated that lateral control effectiveness with differential aileron deflections decreased with increasing angle of attack.

A combination of deflecting spoilers and differential ailerons was tested in order to achieve maximum roll control. The results of this configuration are shown in figure 39. Figure 40 illustrates the amount of roll control available and required for trimming rolling moments due to a sideslip of 10°. The data indicates that the combination of deflecting ailerons and spoilers produced enough lateral control to trim out moments due to sideslip of 10° for angles of attack up to 11°.

Presented in figure 41 are the effects of rudder deflection on lateral-directional characteristics. The data indicate that rudder deflections up to 25° provide a constant increment of directional control for the angle of attack range tested.

## CONCLUSIONS

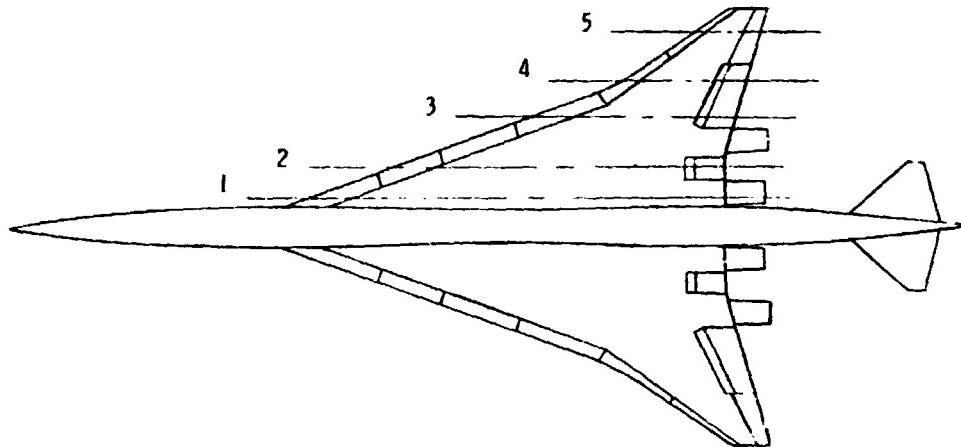
The results of static force tests of a 1/10-scale model of an advanced arrow-wing supersonic transport designed for cruise at Mach 2.2 indicate the following conclusions:

1. The basic configuration exhibited a pitch instability associated with vortex lift above  $C_L = .3$ .
2. Leading-edge deflection reduced vortex lift and pitch instability.
3. Leading-edge deflection improved maximum L/D over the clean configuration.
4. The single-slotted trailing-edge flap system was effective in producing an increment of lift. There was also an increase of nose down pitching moments, delay in pitch instability to higher  $C_L$ 's, and an increase of L/D at higher  $C_L$ 's associated with trailing-edge flap deflection. Use of droop aileron deflections to simulate full span trailing-edge flaps had little effect on L/D.
5. Leading-edge deflection was effective in improving the leading-edge suction. Analysis of leading-edge suction indicated a leading-edge configuration of  $(\delta_{f,le}) 1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$  with trailing-edge flaps up produced 92-percent suction at  $C_L = .2$ , which is a large improvement over the leading-edge suction of 31-percent for the clean configuration.
6. Deflecting leading-edge flaps decreased directional instability at higher angles of attack.
7. With trailing-edge flaps of  $0^\circ$ , all spoiler/deflector combinations except the outboard inverted spoiler/deflector were ineffective in producing positive roll control. The spoiler system became more effective with trailing-edge flap deflection. Spoilers alone provide almost as much roll control as the slotted spoiler/deflectors with the trailing-edge flaps deflected.
8. Combination of spoiler and aileron deflections produced enough lateral control to trim out rolling moments due to sideslip of  $10^\circ$  up to an angle of attack of only  $11^\circ$ .

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TABLE I - Location of the Pressure Orifices



STATION 1  $\eta = .125$

UPPER $x/c$	LOWER
L.E. FLAP	L.E. FLAP
0	.004
.001	1005
.003	.008
.006	.025
.012	.048
.023	.071
.035	.094
.036	.116
.069	
.092	
.104	
WING	WING
.125	.125
.15	.15
.20	.20
.25	.30
.30	.40
.35	.50
.40	.60
.45	.70
.50	.80
.55	
.60	
.65	
.70	
.77	
.80	
.85	

TABLE I - Cont.

STATION 2 = .263		STATION 3 = .492	
UPPER X/C	LOWER	UPPER X/C	LOWER
L.E. FLAP	L.E. FLAP	L.E. FLAP	L.E. FLAP
0	.002	0	.002
.0001	.003	.001	.005
.001	.006	.003	.012
.004	.027	.011	.046
.012	.056	.046	.092
.027	.085	.069	.138
.041	.114	.092	.185
.056	.143	.138	.230
.084		.184	
.113		.207	
.127			
WING	WING	WING	WING
.20	.15	.25	.30
.25	.20	.27	.40
.30	.30	.30	.50
.35	.40	.35	.60
.40	.50	.40	.70
.45	.60	.45	
.50	.70	.50	
.55	.80	.55	
.60		.60	
.65		.65	
.70		.70	
.75		.75	
.80		.80	
.85		.85	
T.E. FLAP	T.E. FLAP	T.E. FLAP	T.E. FLAP
.878	.884	.820	.827
.881	.890	.823	.836
.885	.914	.838	.873
.891	.933	.837	.900
.903	.958	.856	.936
.91	.987	.873	.982
.933	1.00	.901	1.00
.950		.937	
.970		.955	
.988		.982	

TABLE I - Concluded

STATION 4 = .638

UPPER<sup>x/c</sup> LOWER

L.E. FLAP	L.E. FLAP
0	.002
.002	.003
.003	.008
.008	.034
.016	.066
.032	.099
.050	.131
.066	.171
.098	
.130	
.147	
WING	WING
.15	.175
.175	.25
.20	.30
.22	.40
.25	.50
.27	.60
.30	
.35	
.40	
.45	
.50	
.55	
.60	
.65	
T.E. FLAP	T.E. FLAP
.767	.779
.773	.790
.779	.836
.790	.917
.813	1.0
.836	
.871	
.918	
.941	
.976	

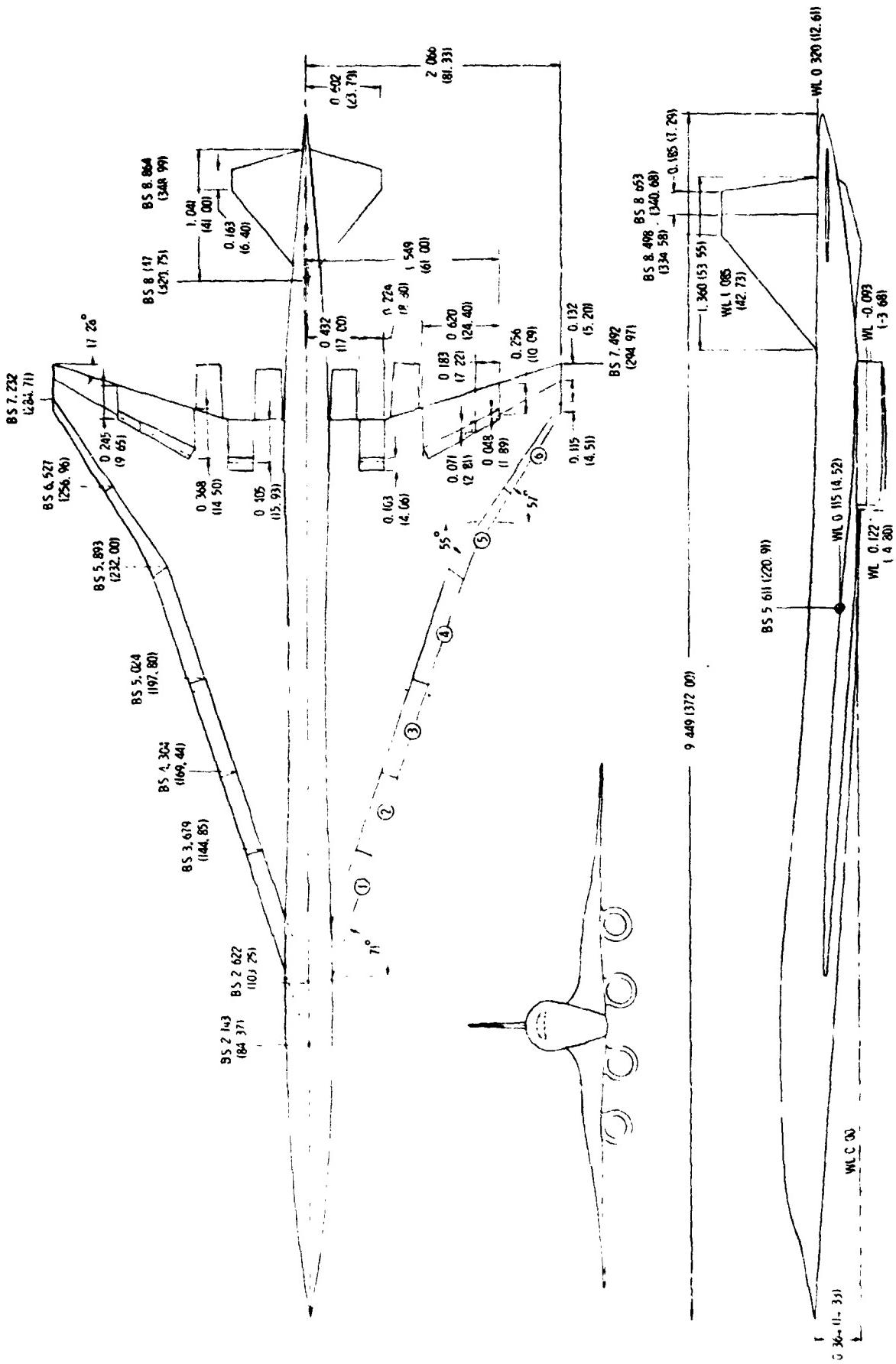
STATION 5 = .877

UPPER<sup>x/c</sup> LOWER

L.E. FLAP	L.E. FLAP
0	.040
.018	.082
.038	.123
.060	.166
.080	.215
.164	
.182	
WING	WING
.22	.25
.25	.30
.30	.40
.35	.50
.40	.60
.45	.65
.50	.70
.60	.75
.65	.80
.69	.90
.75	1.00
.80	
.85	
.95	

TABLE II - Various Leading-Edge Configurations

Configuration	1	2	3	4	5	6
1	50	55	60	65	64	70
2	35 65	50 65	60 65	72 65	70 64	70 70
3	0 65	0 0	0 0	0 0	64 64	70 70
4	65	65	0	0	64	70
5	65	65	65	0	64	70
6	50	50	50	50	52	58
7	50	50	50	50	35	44
8	35	50	50	50	35	44
9	35	50	50	50	0	0
10	0	50	50	50	35	44
11	0	0	50	50	35	44
12	0	0	0	50	35	44
13	0	0	0	0	35	44
14	13	34	35	35	19	29



**Figure 1.** - Three-view drawing of 1/10-scale model. Dimensions are in meters(inches).

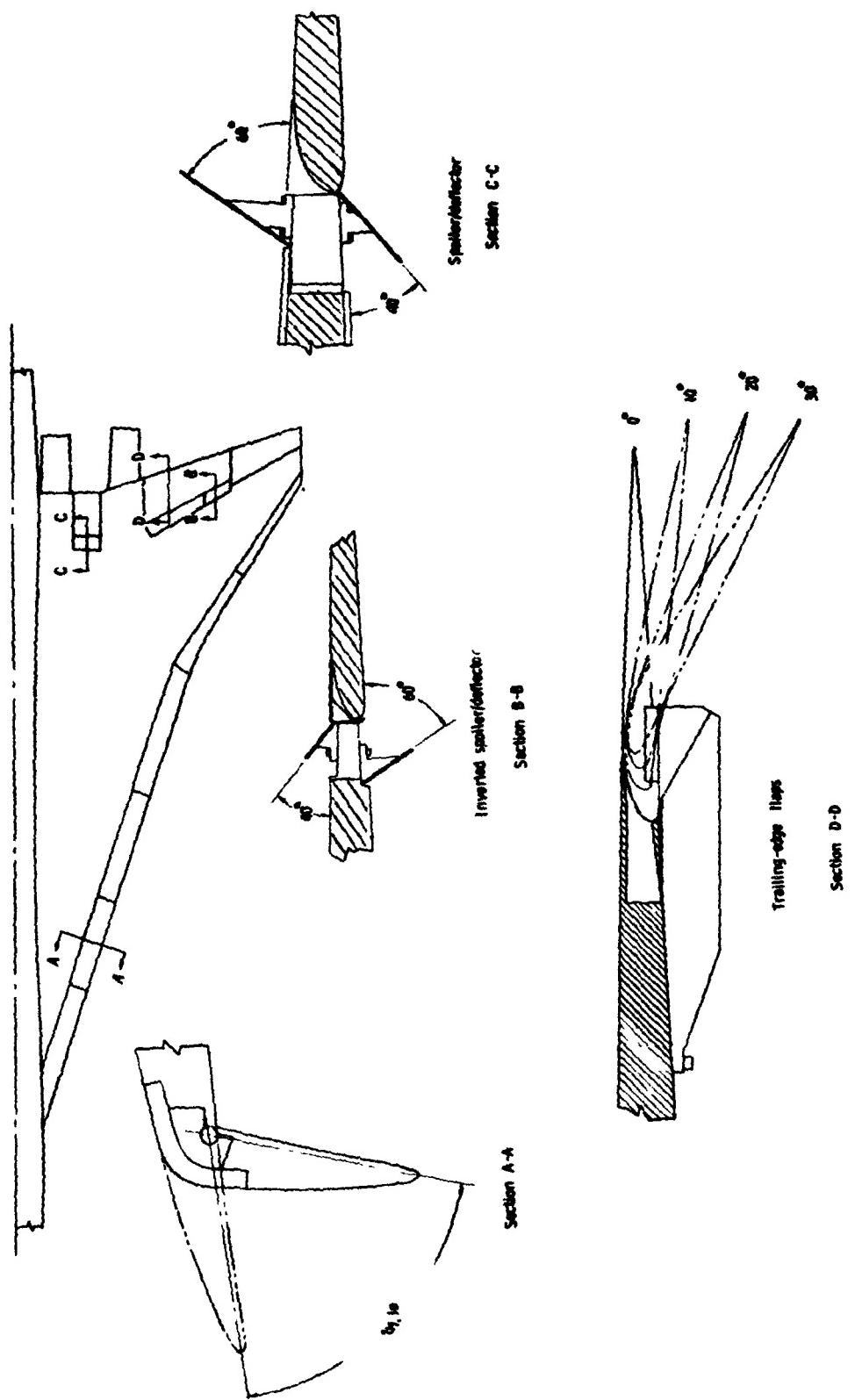
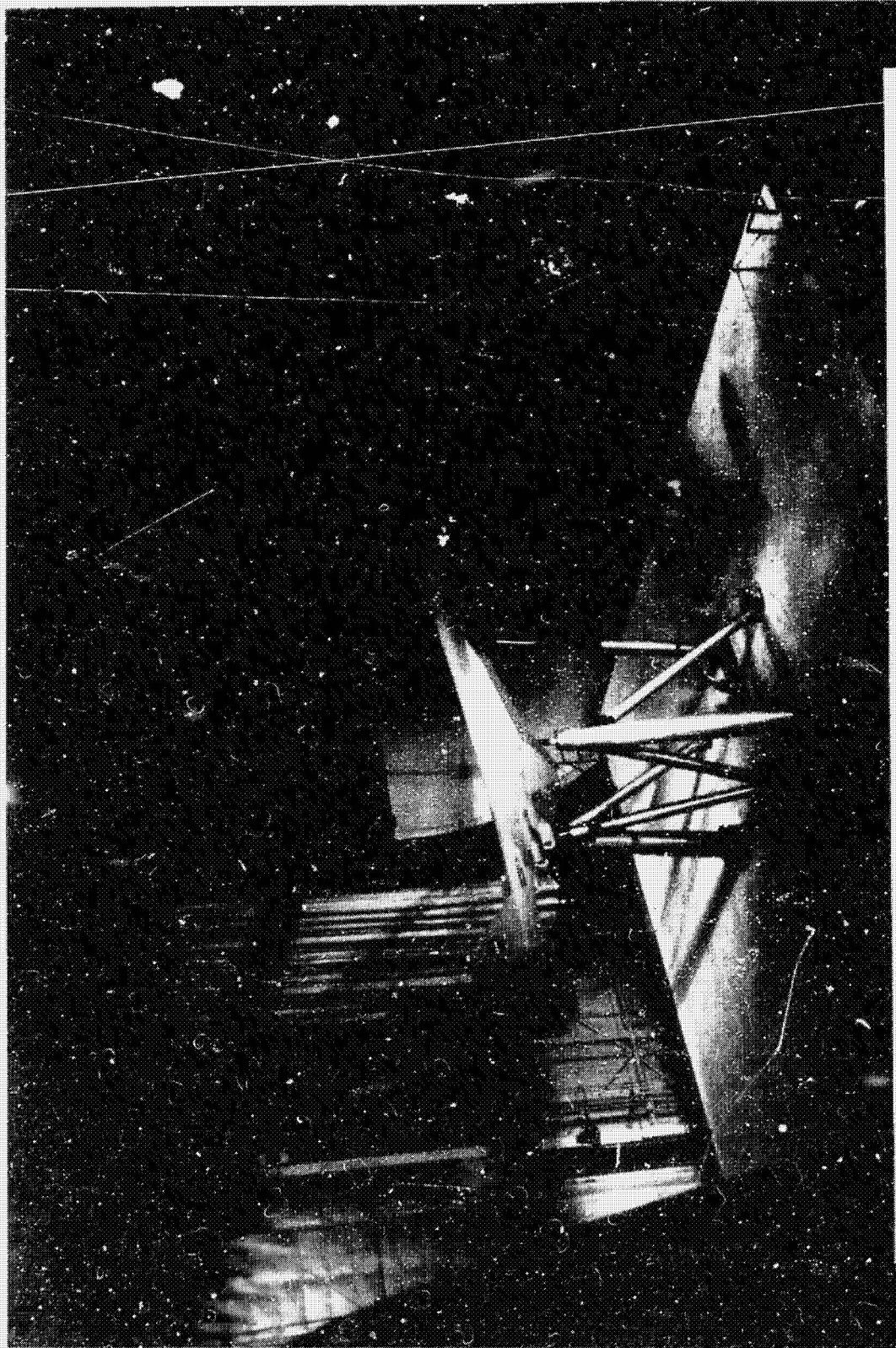


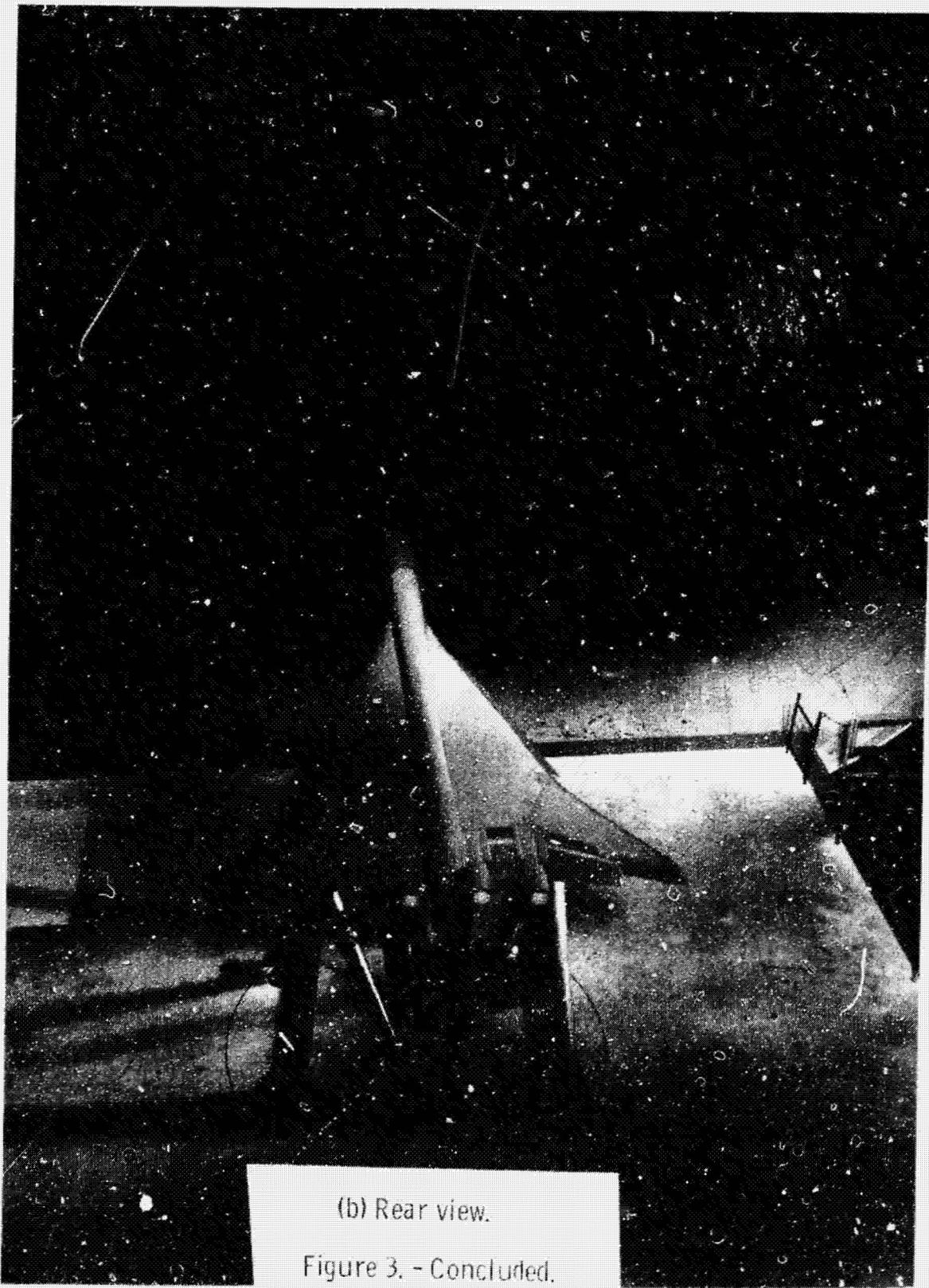
Figure 2. - Schematic drawings of leading- and trailing-edge flaps, spoiler/deflector, and inverted spoiler/deflector.



(a) Three-quarter rear view.

Figure 3. - Photograph of 1/10-scale model installed in Langley Full-Scale Tunnel.

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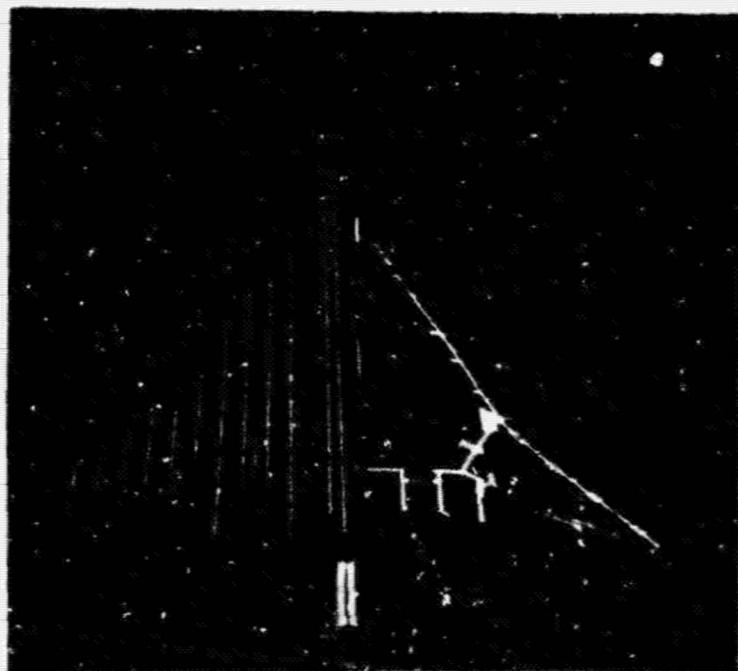
(b) Rear view.

Figure 3. - Concluded.

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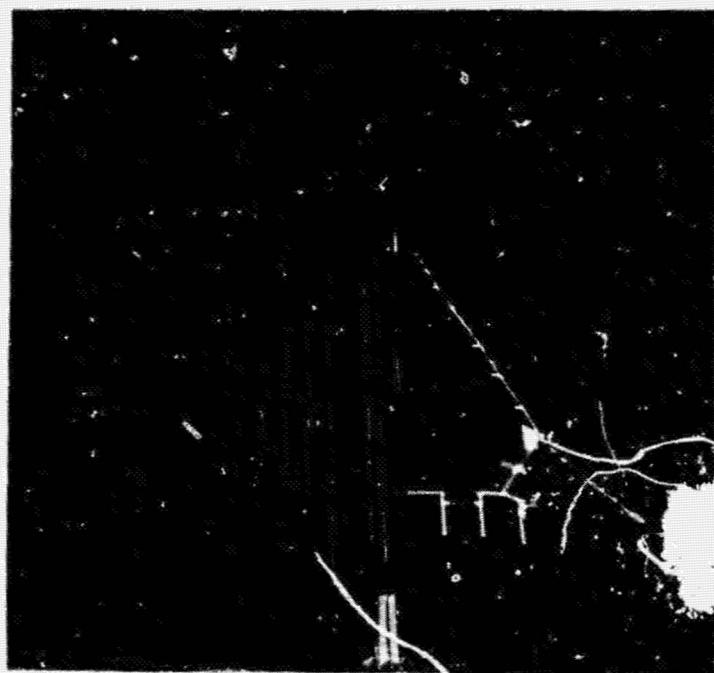


(a)  $\alpha = -6^\circ$

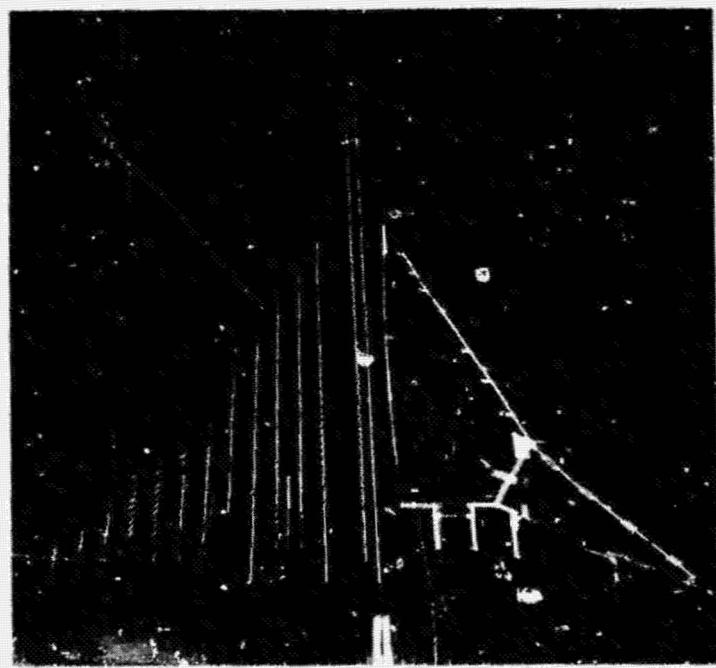


(b)  $\alpha = -3^\circ$

Figure 4. - Flow visualization using fluorescent mini - tufts.  
 $(\delta_{f,l,e}, 1-2,3,4,5,6 = 0,0,0,0,0,0, \delta_{f,t,e} = 0)$



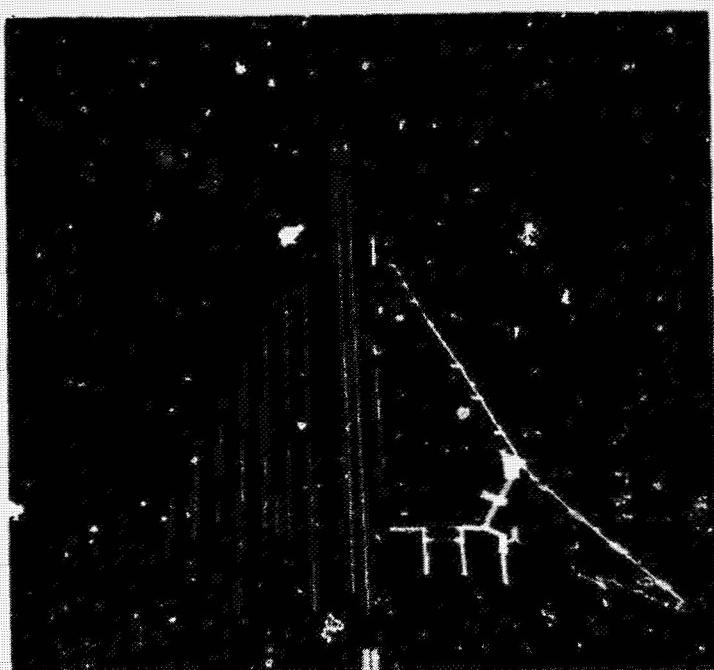
(c)  $\alpha = -1^\circ$



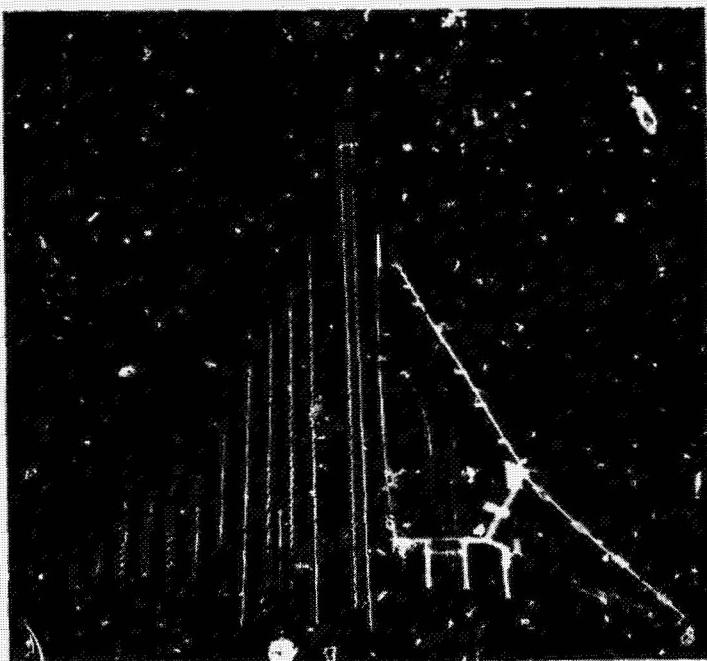
(d)  $\alpha = 1^\circ$

Figure 4. - Continued.

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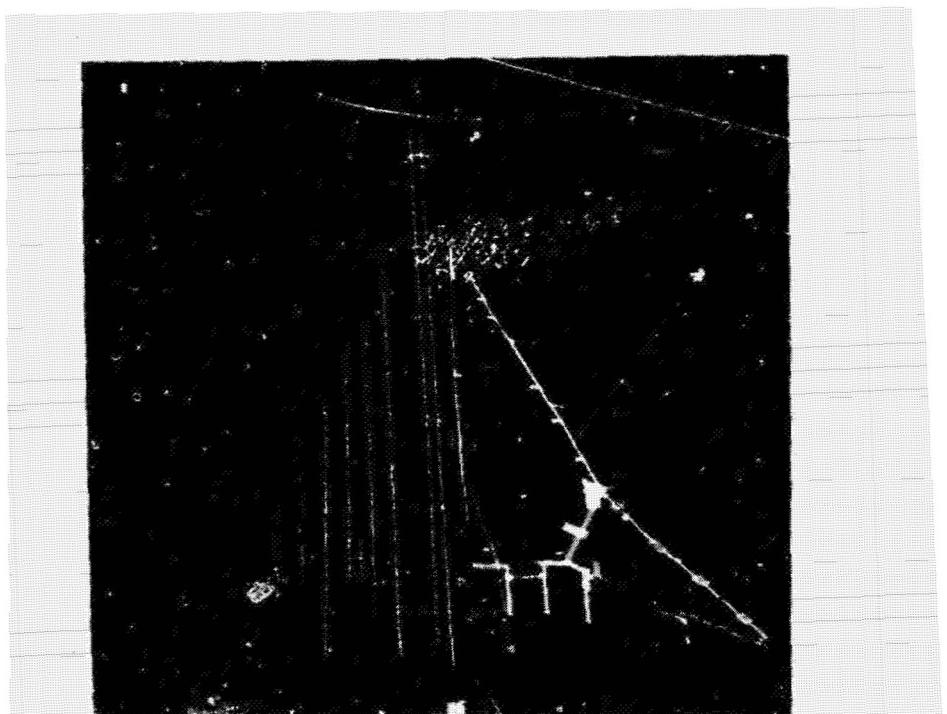


(e)  $\alpha = 3^\circ$

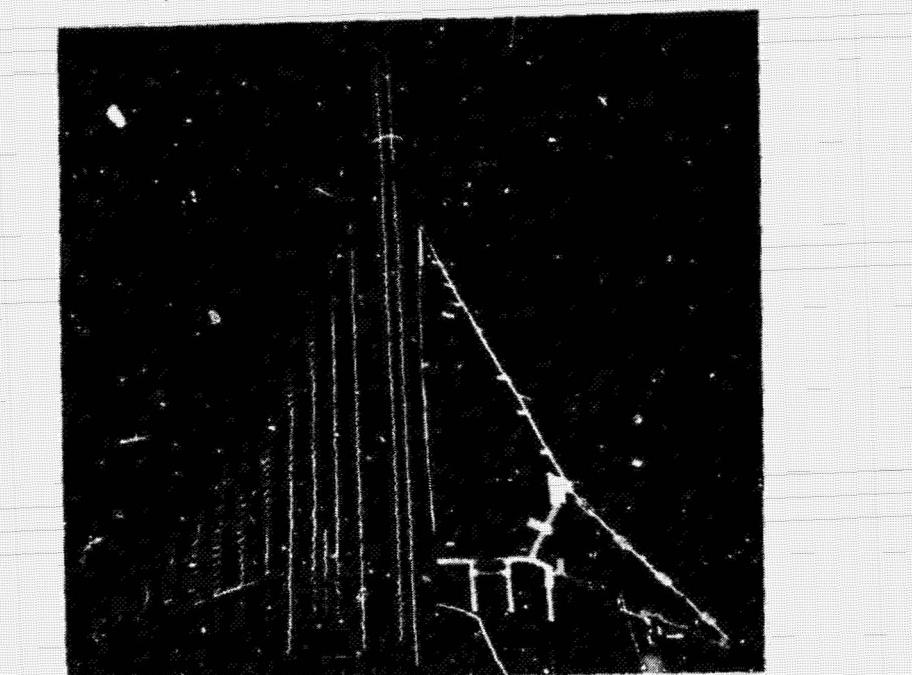


(f)  $\alpha = 5^\circ$

Figure 4 - Continued.



(g)  $\alpha = 7^\circ$



(h)  $\alpha = 9^\circ$

Figure 4. Continued.

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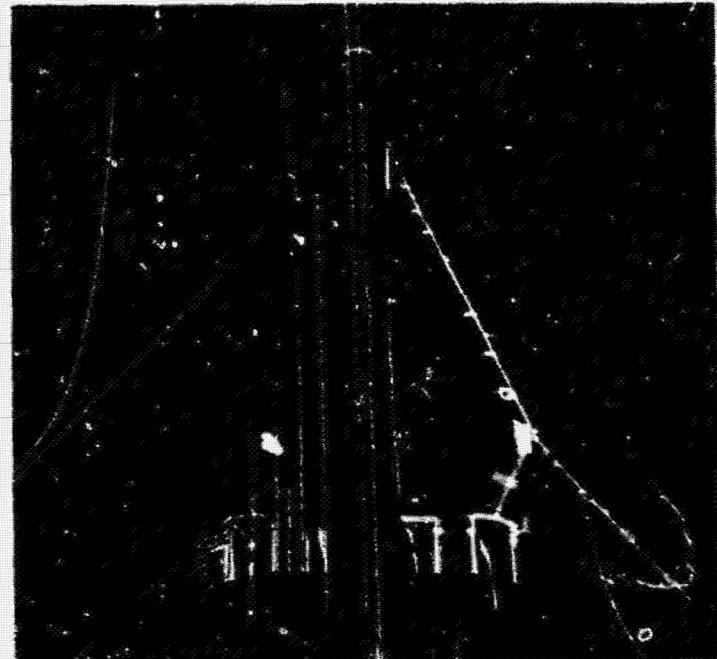


(i)  $\alpha = 11^\circ$

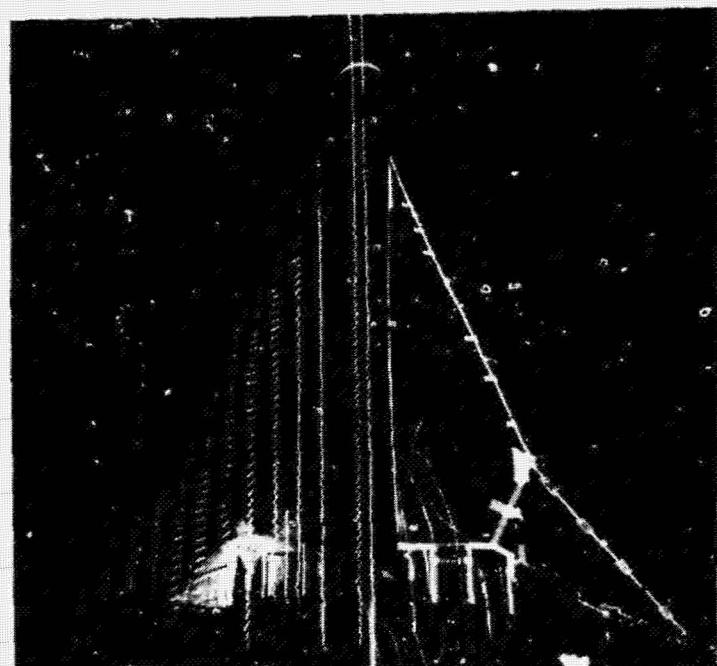


(j)  $\alpha = 13^\circ$

Figure 4 - Continued.



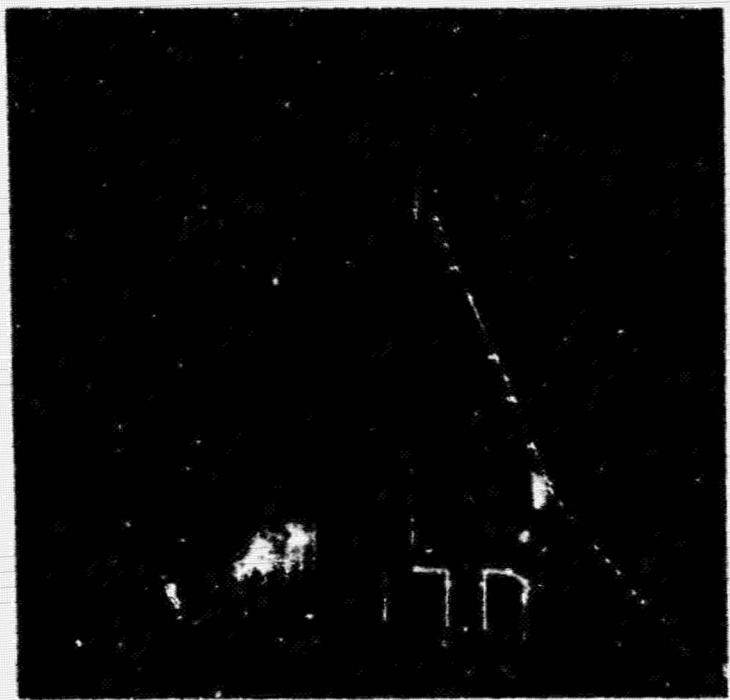
(k)  $\alpha = 15^\circ$



(l)  $\alpha = 17^\circ$

Figure 4. - Continued.

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OF POOR QUALITY

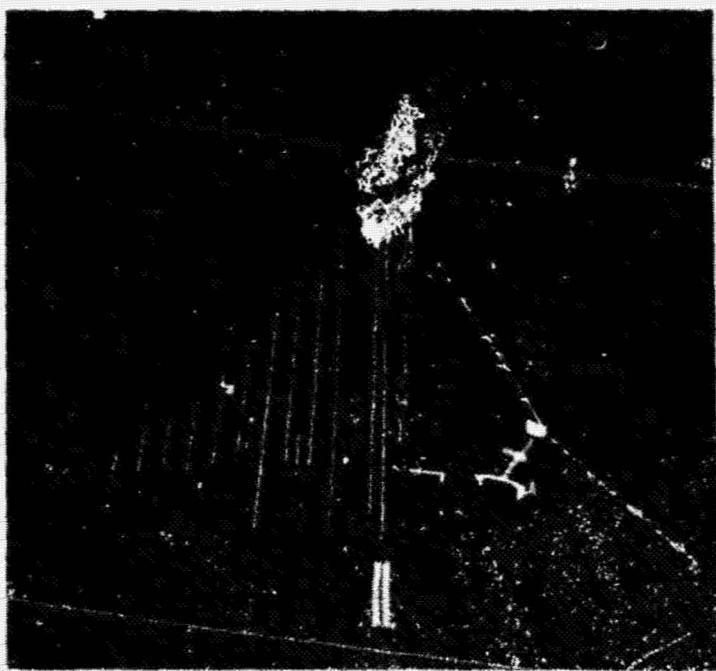


(m)  $\alpha = 19^\circ$

Figure 4. -Concluded.

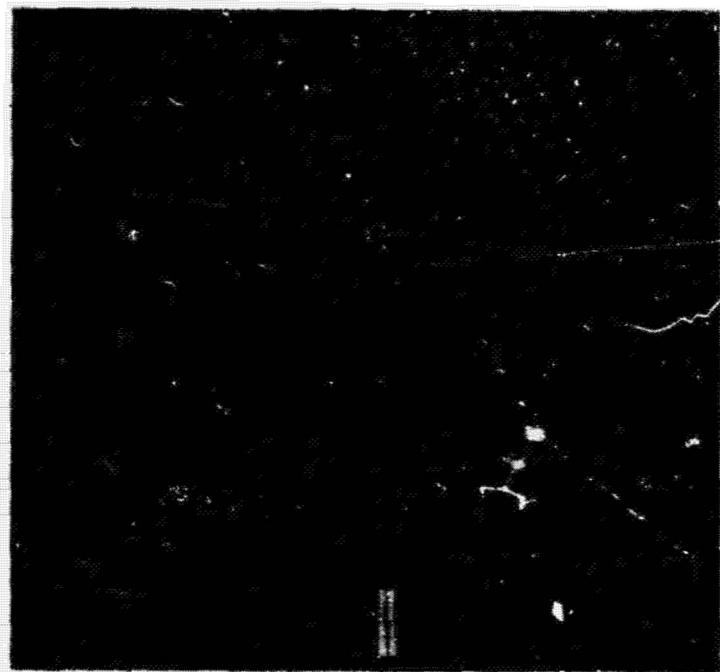


(a)  $\alpha = -5^\circ$

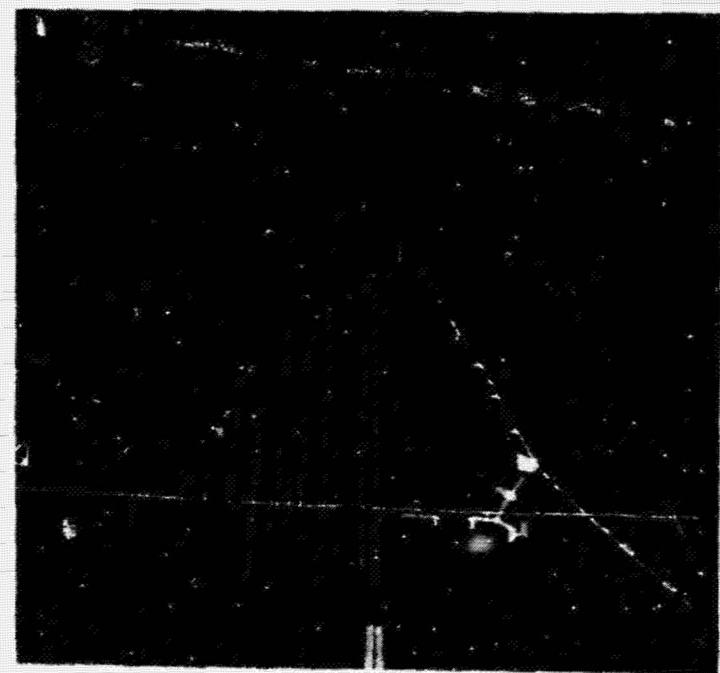


(b)  $\alpha = 3^\circ$

Figure 5. Flow visualization using fluorescent micro-turbs.  
 $G_{\text{turb}} = 2.34 \times 10^{-6}$ ,  $0.039 \times 0.039$ ,  $\delta_{\text{turb}} = 30^\circ$ .

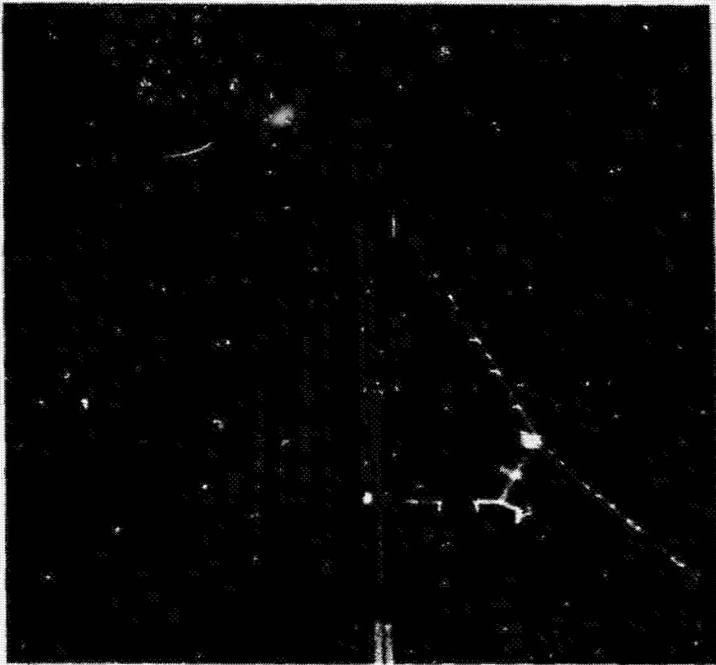


(c)  $\alpha = -1^\circ$

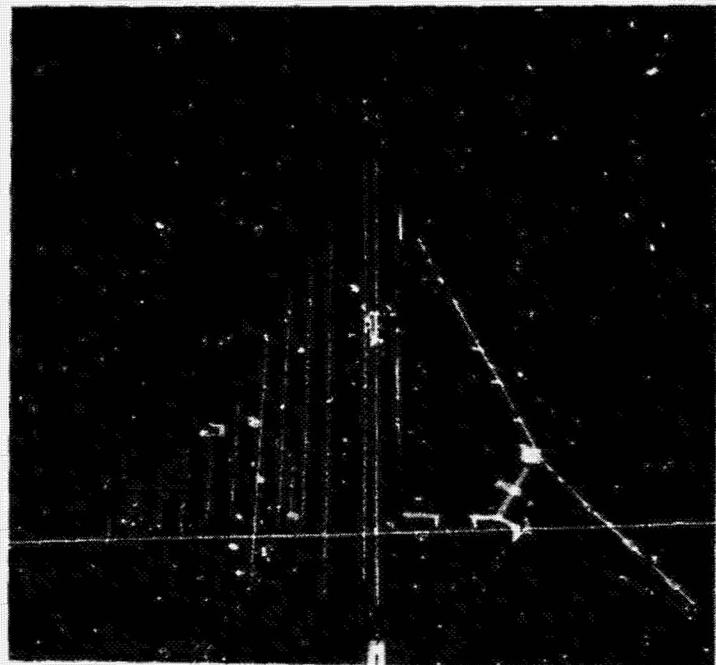


(d)  $\alpha = 1^\circ$

Figure 5. - Continued.



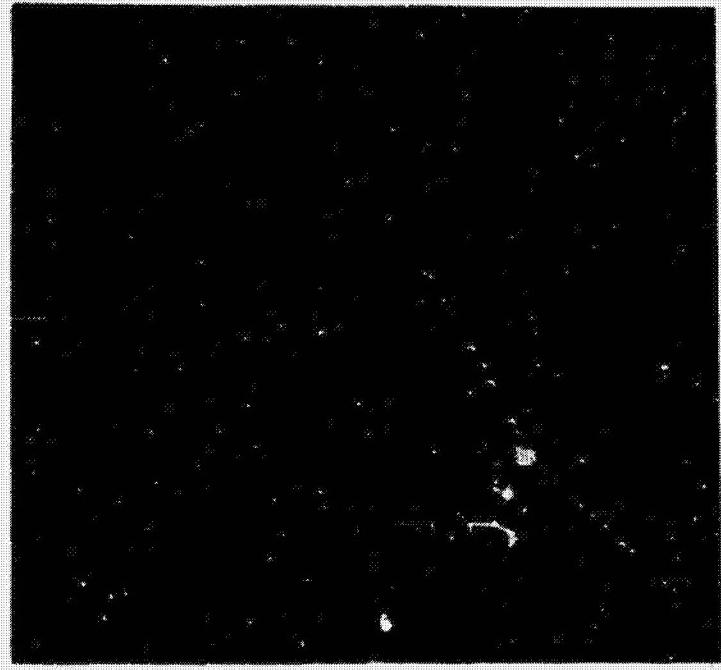
(e)  $\alpha = 3^\circ$



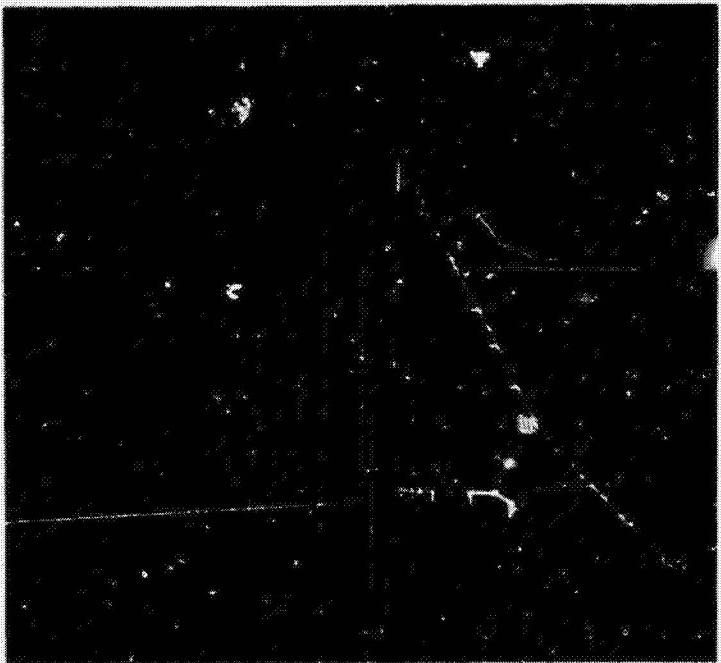
(f)  $\alpha = 5^\circ$

Figure 5. - Continued.

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(g)  $\alpha = 7^\circ$

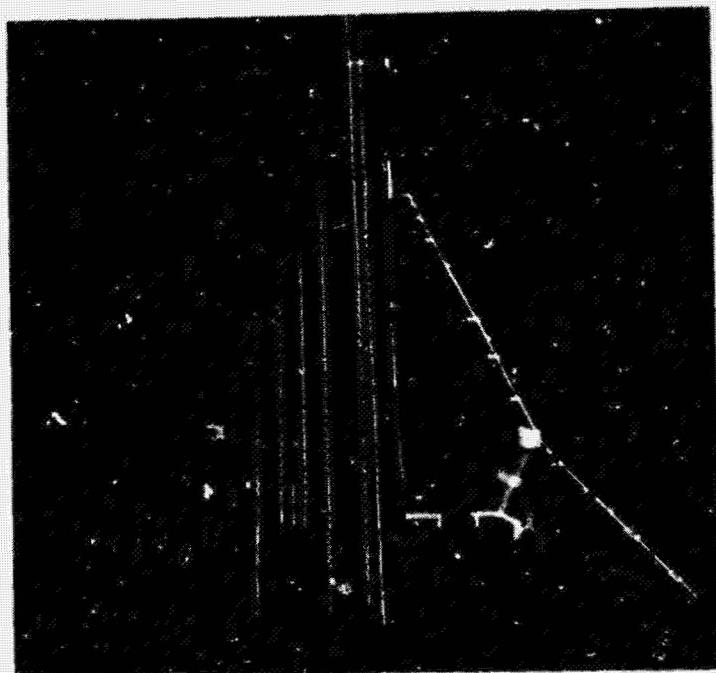


(h)  $\alpha = 9^\circ$

Figure 5. - Continued.

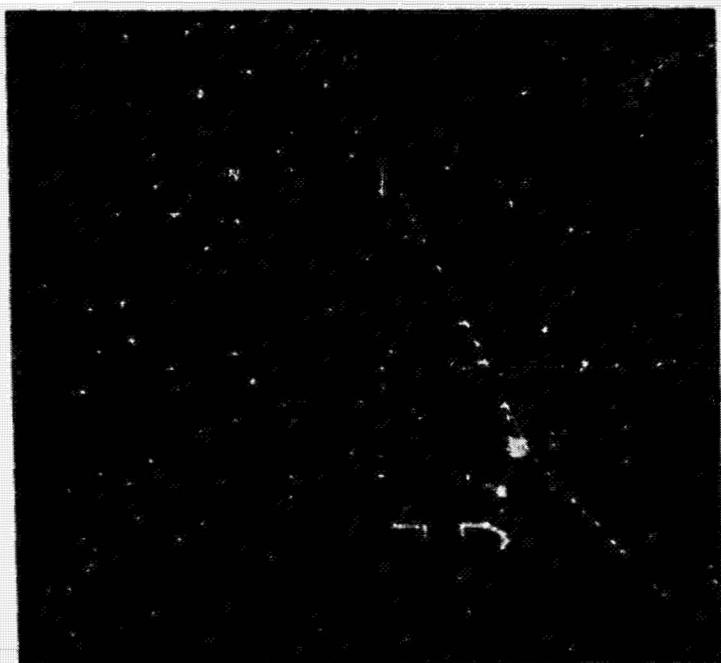


(i)  $\alpha = 11^\circ$

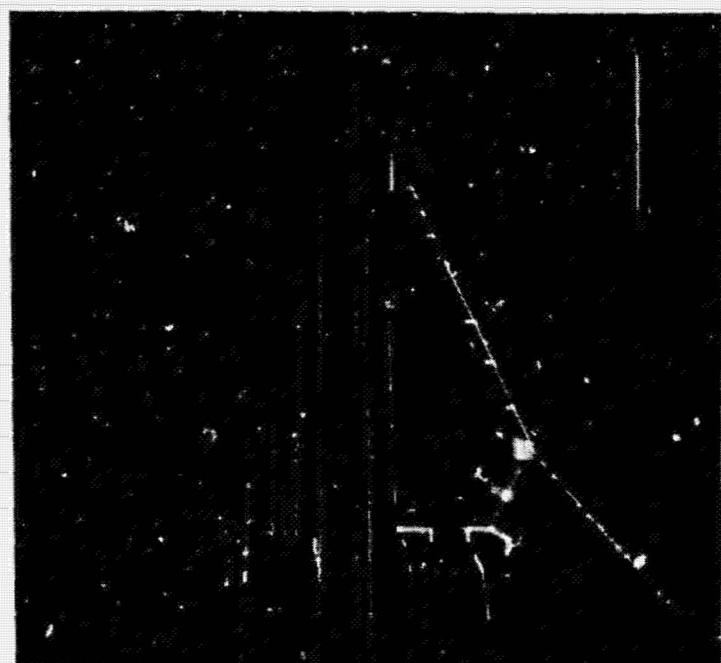


(j)  $\alpha = 13^\circ$

Figure 5. - *t* continued

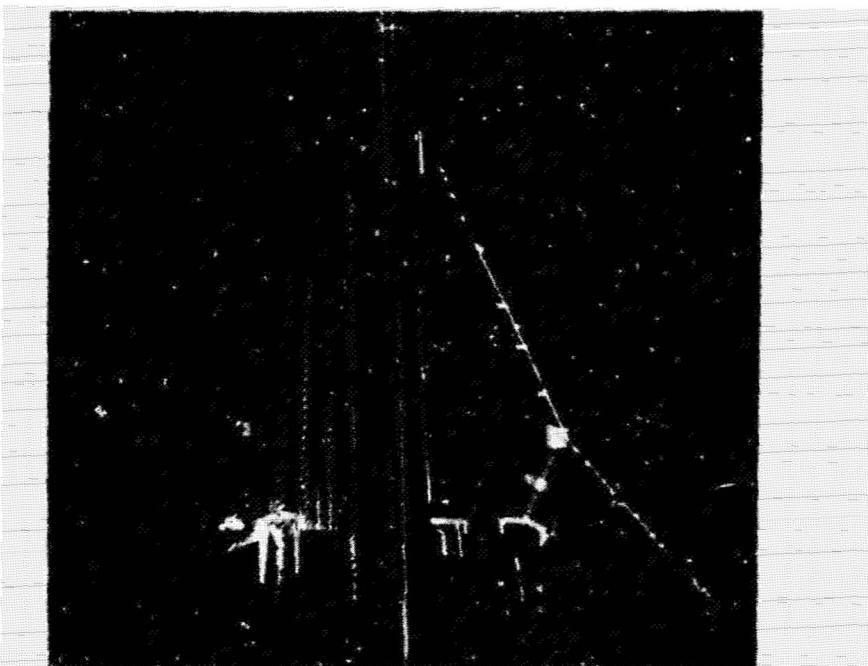


(k)  $\alpha = 15^\circ$

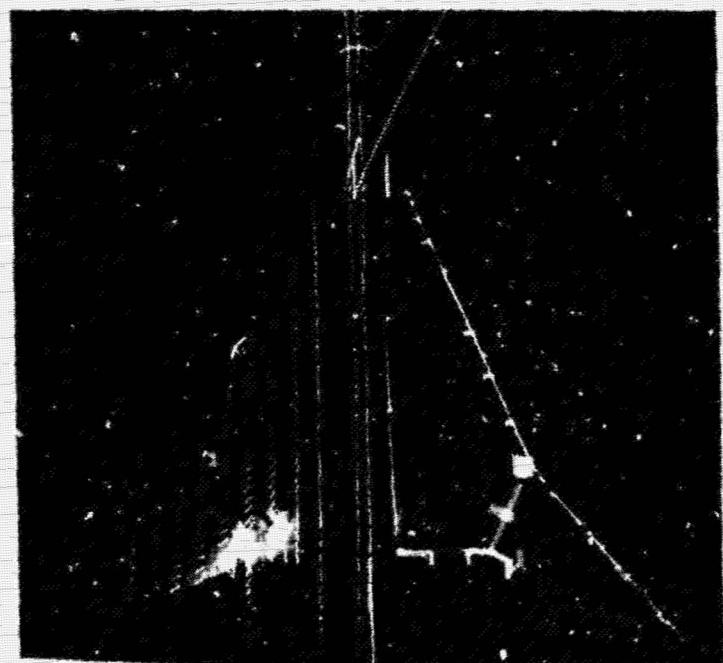


(l)  $\alpha = 17^\circ$

Figure 5. - Continued.



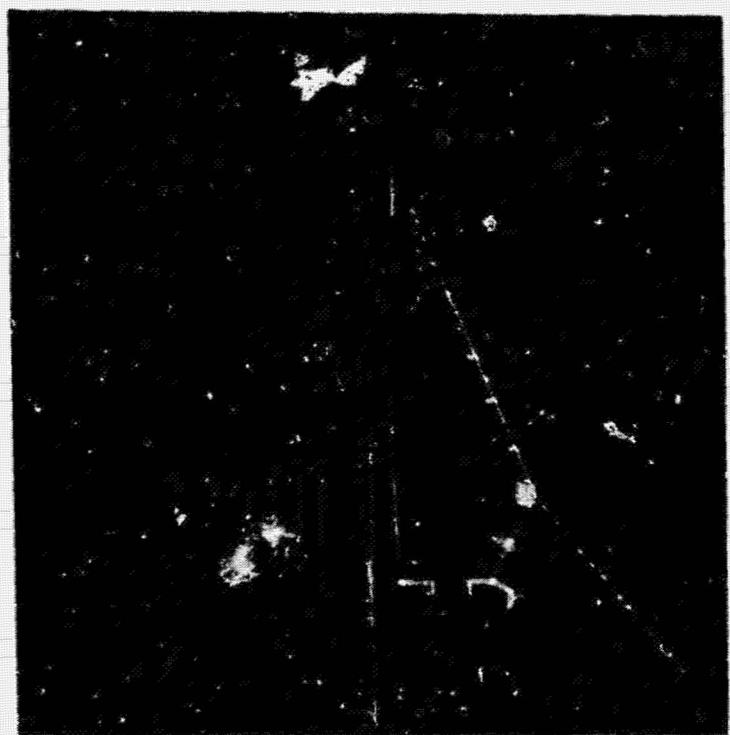
(m)  $\alpha = 19^\circ$



(n)  $\alpha \approx 21^\circ$

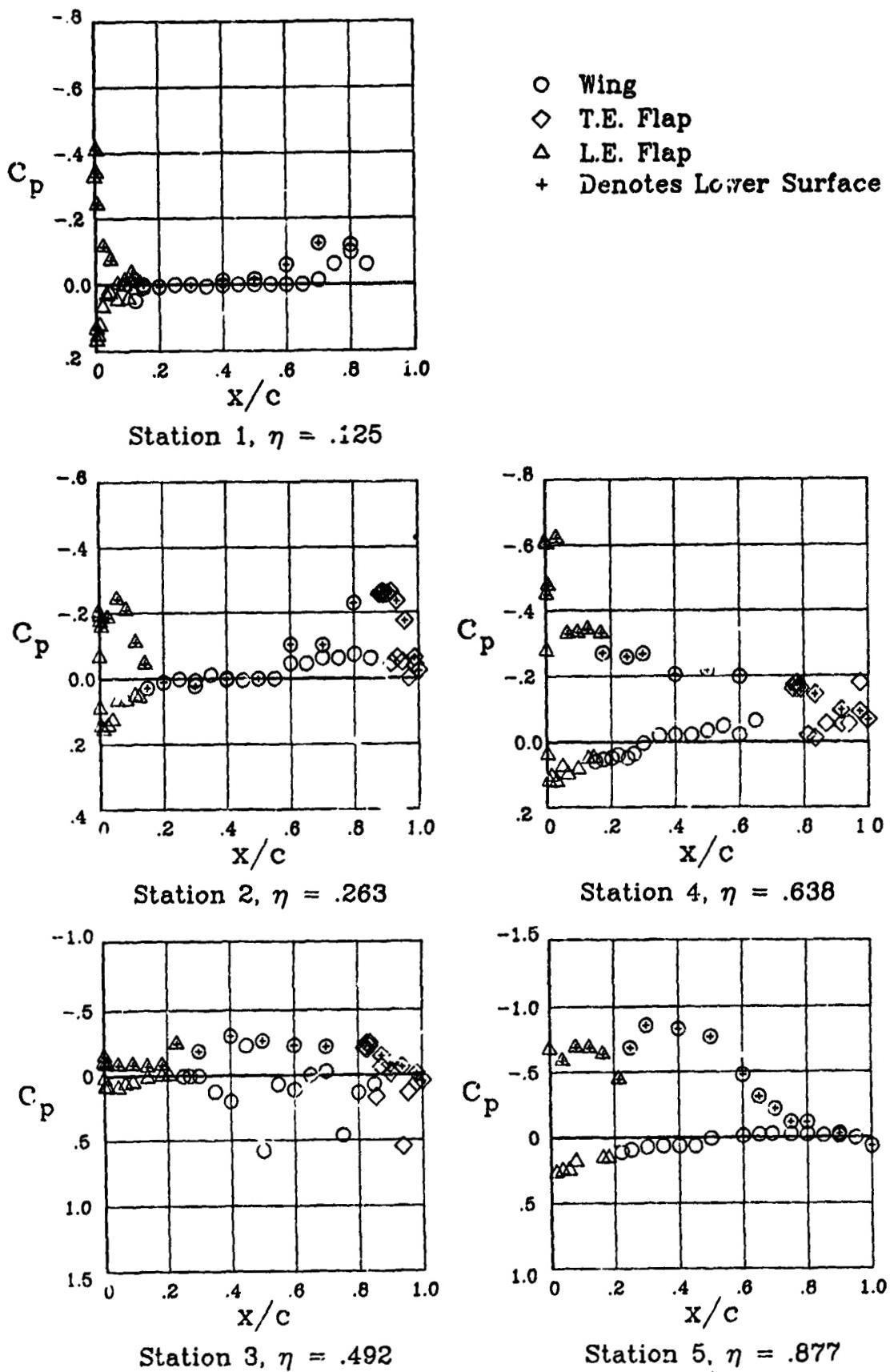
Figure 5. - Continued.

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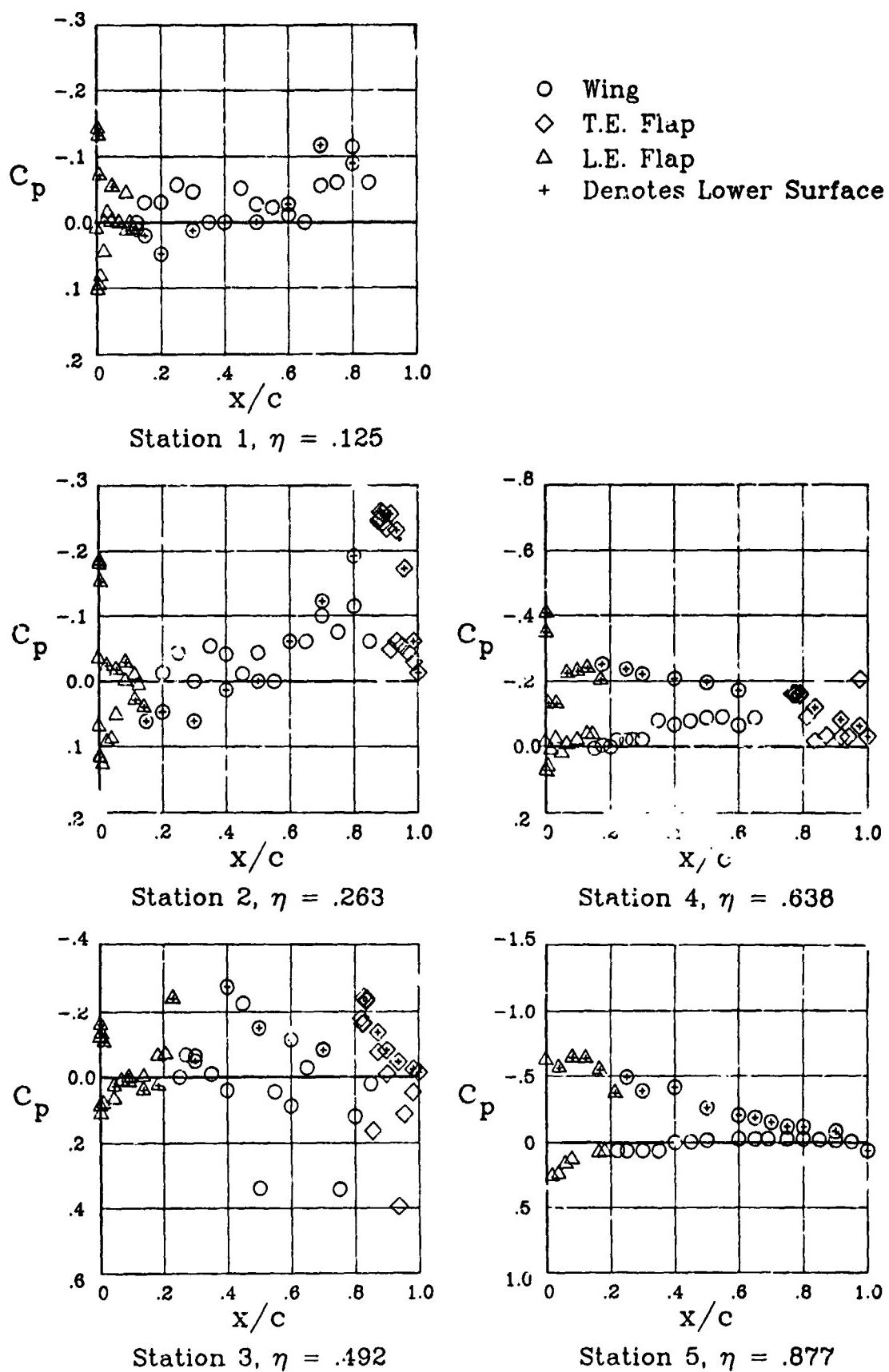
(o)  $\alpha = 23^\circ$

Figure 5. - Concluded.



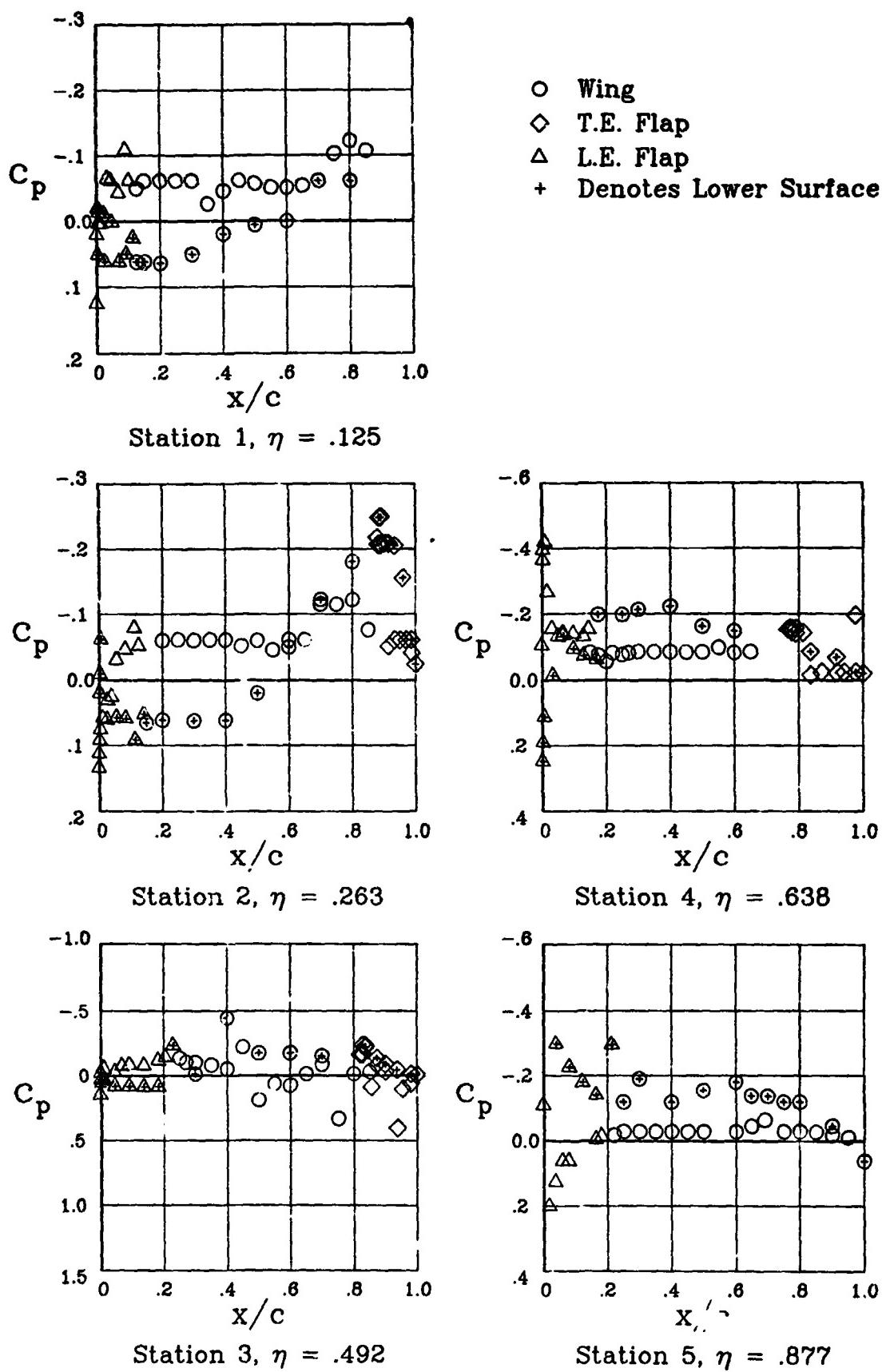
(a)  $\alpha = -5.12^\circ$

Figure 6. - Pressure distributions.  $(\delta_f, l_e)_1, 2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0$ .  $\delta_{f, te} = 0$ .



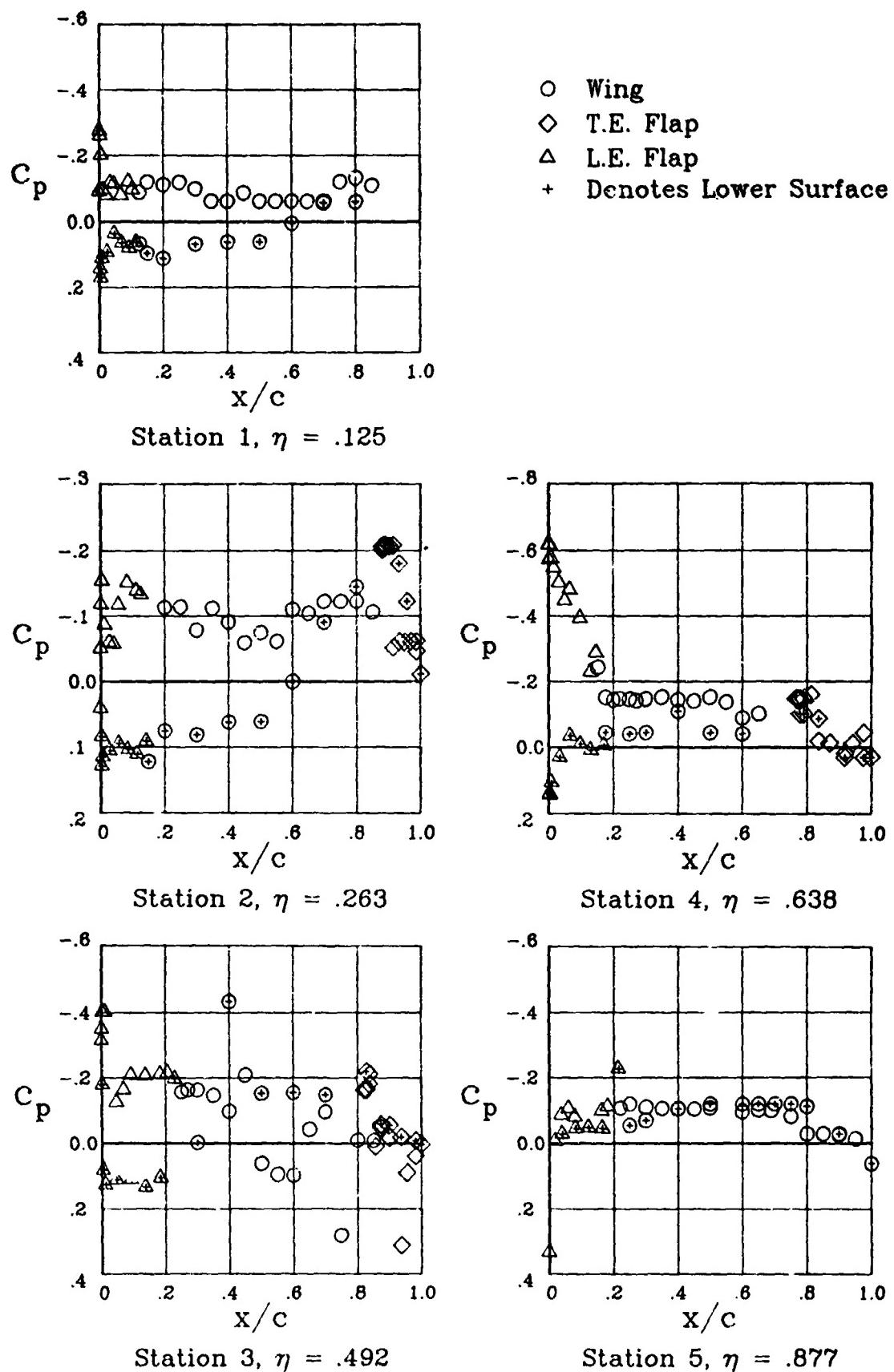
(b)  $\alpha = -3.17$

Figure 6. - Continued.



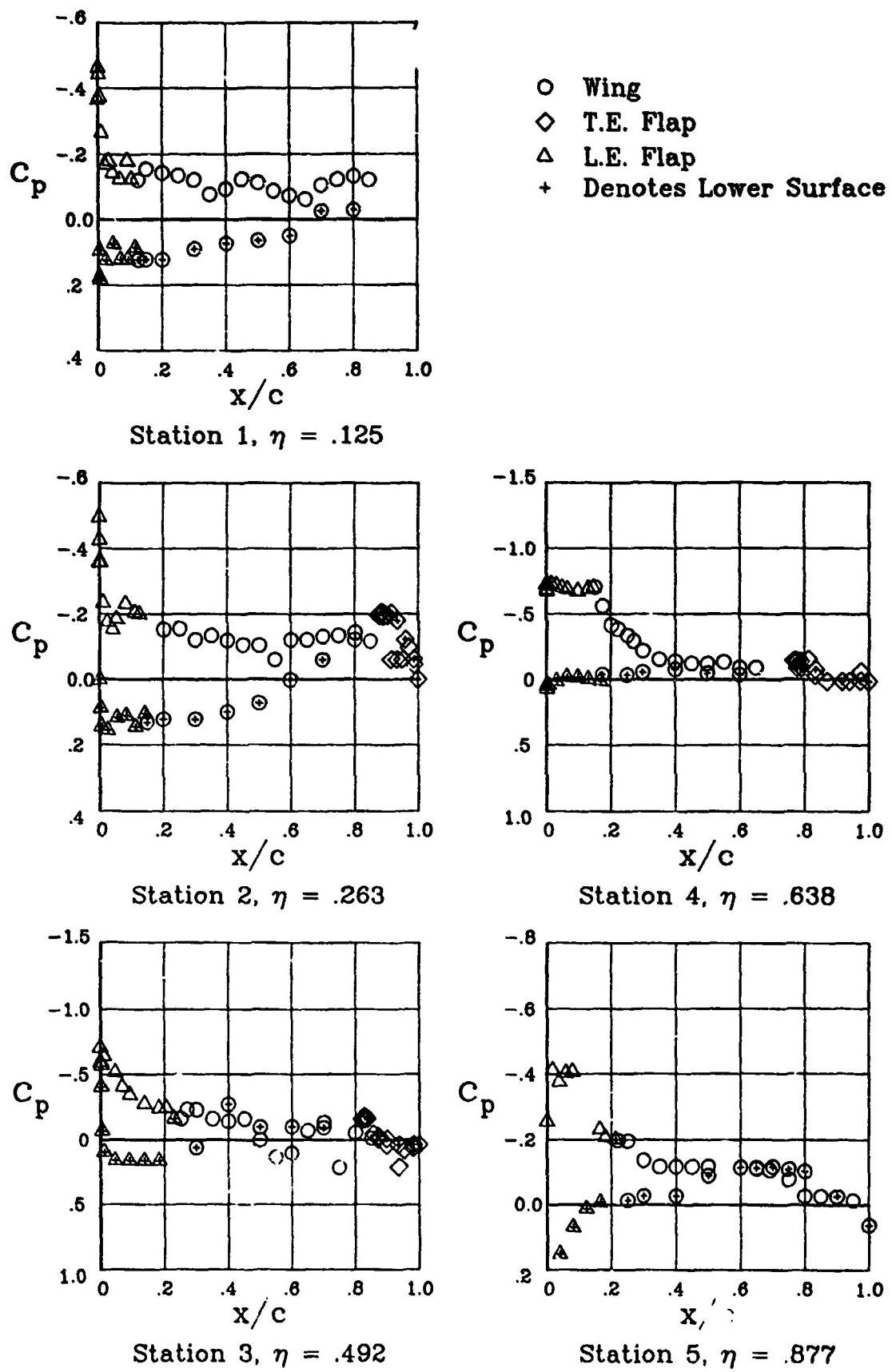
(c)  $\alpha = -1.13^\circ$

Figure 6. - Continued.



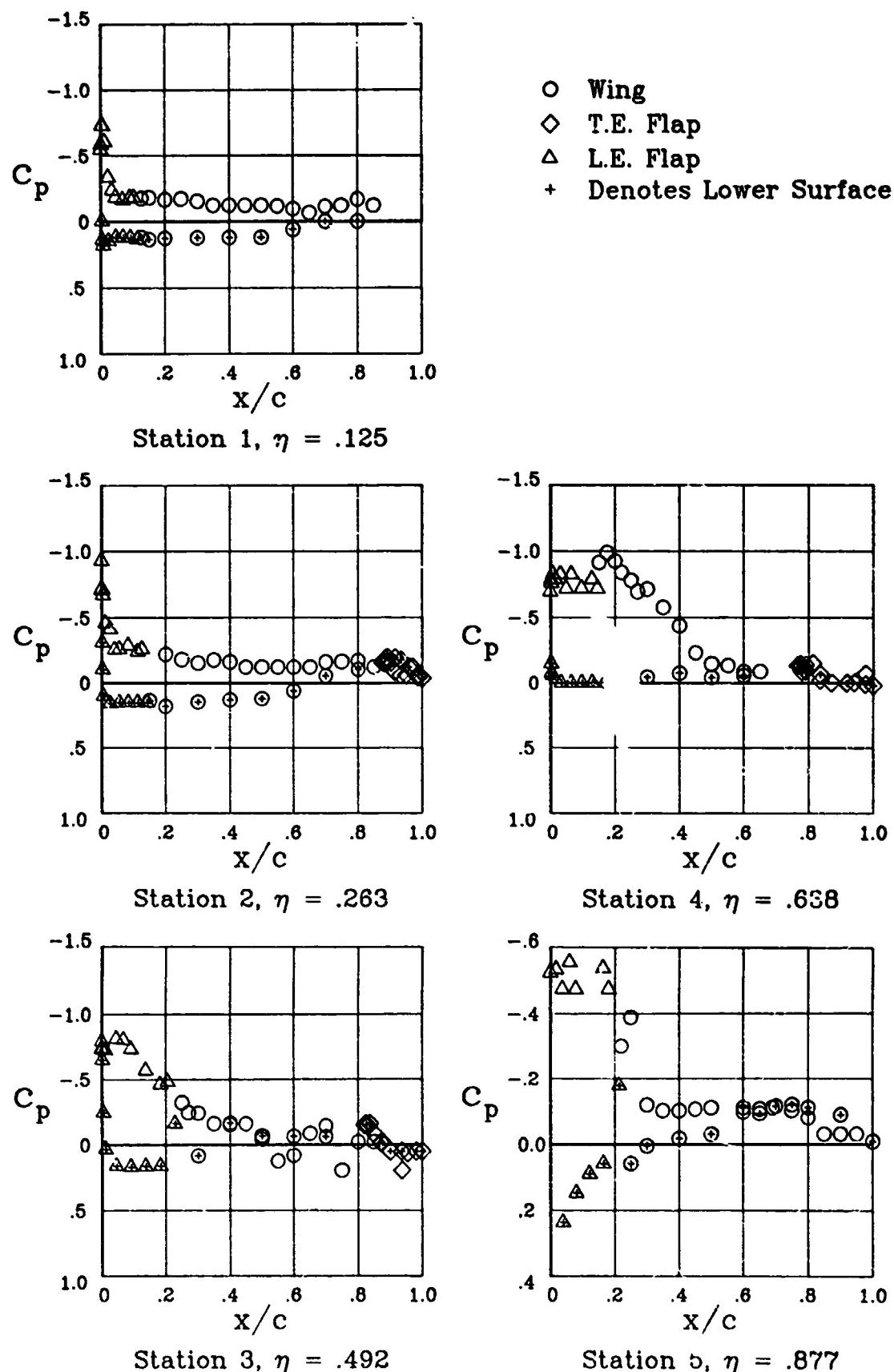
(d)  $\alpha = 0.92$

Figure 6. - Continued.



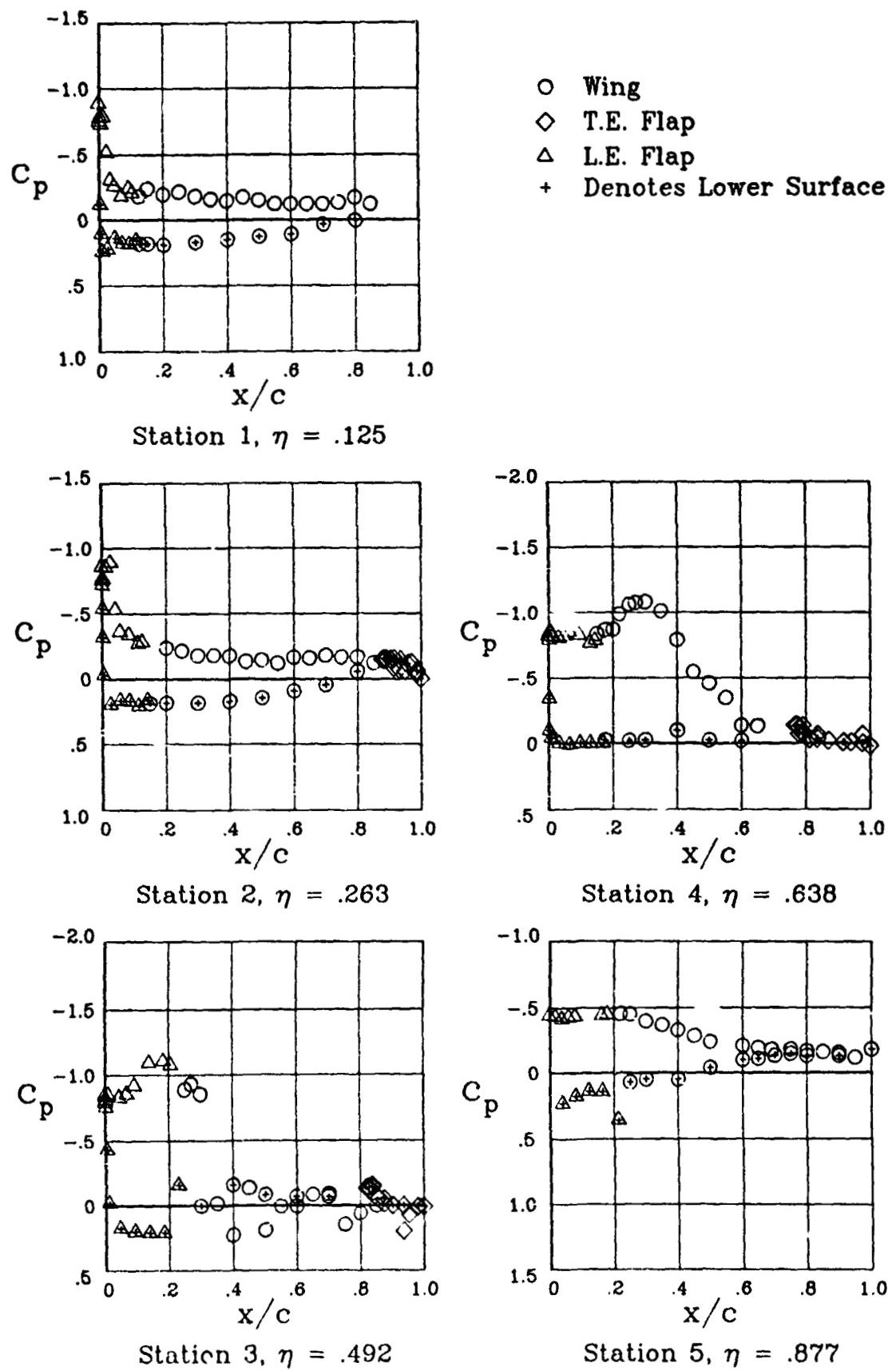
(e)  $\alpha = 2.99$

Figure 6. - Continued.



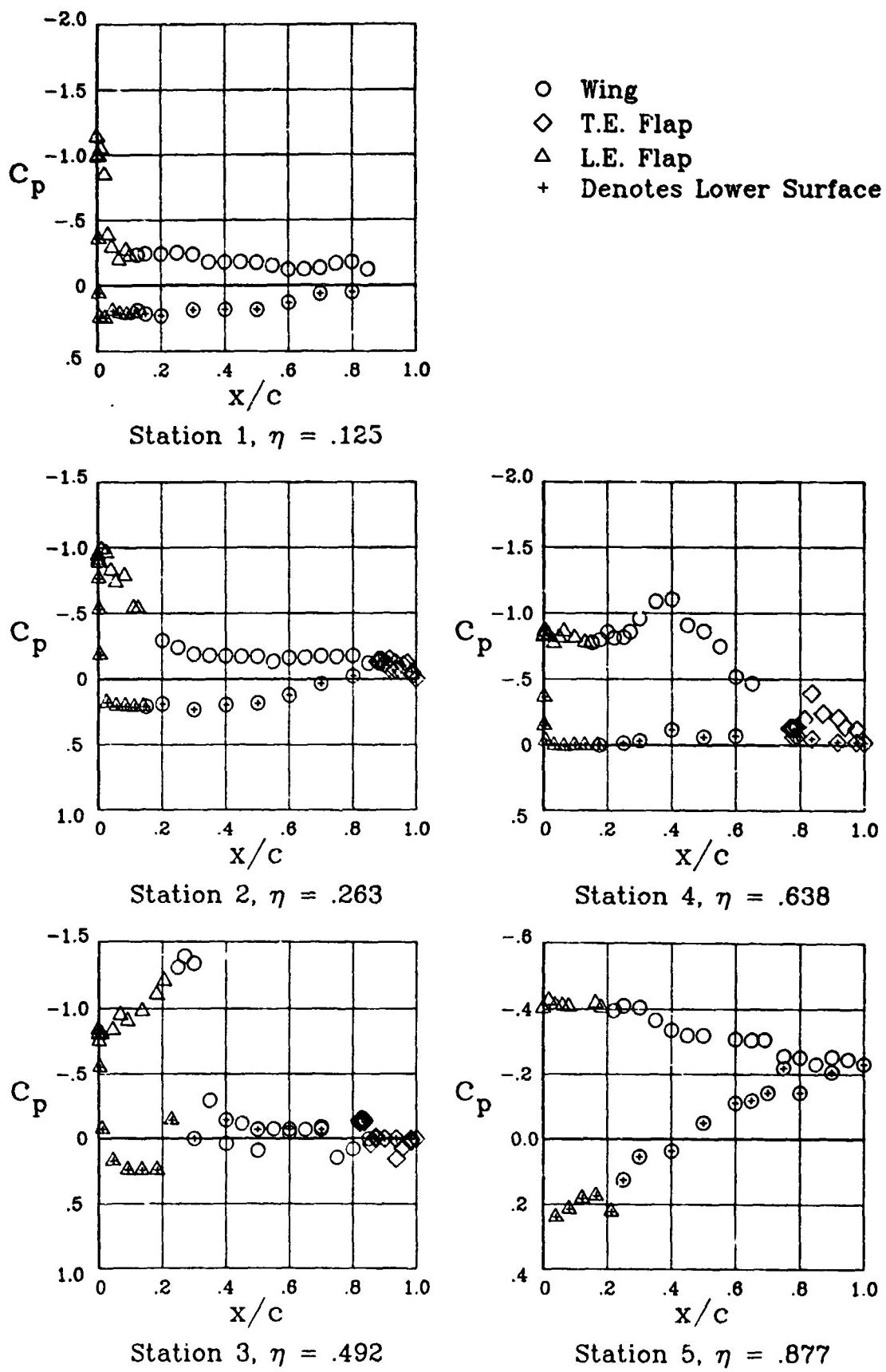
(f)  $\alpha = 4.97$

Figure 6. - Continued.



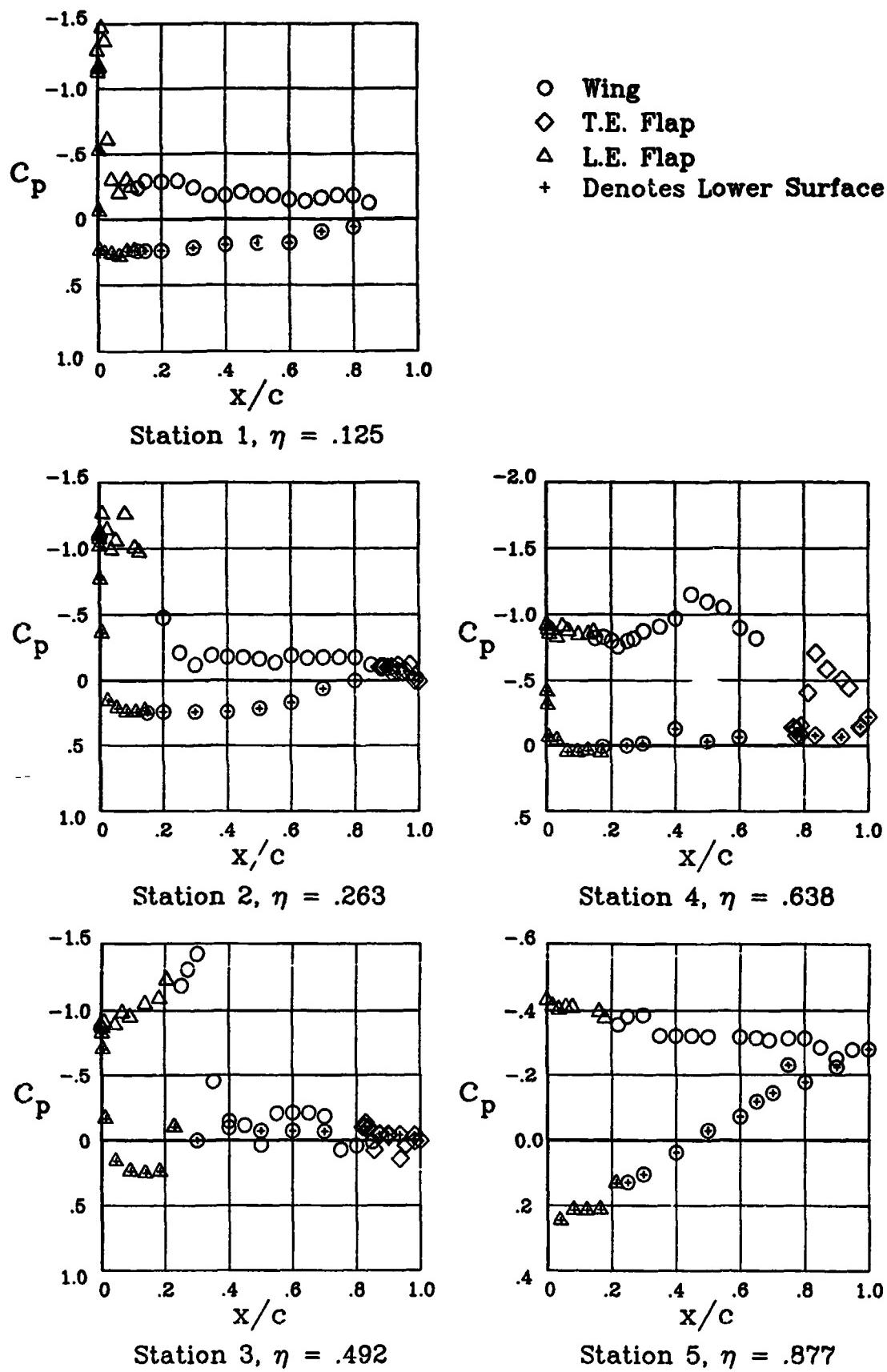
(g)  $\alpha = 6.95$

Figure 6. - Continued.



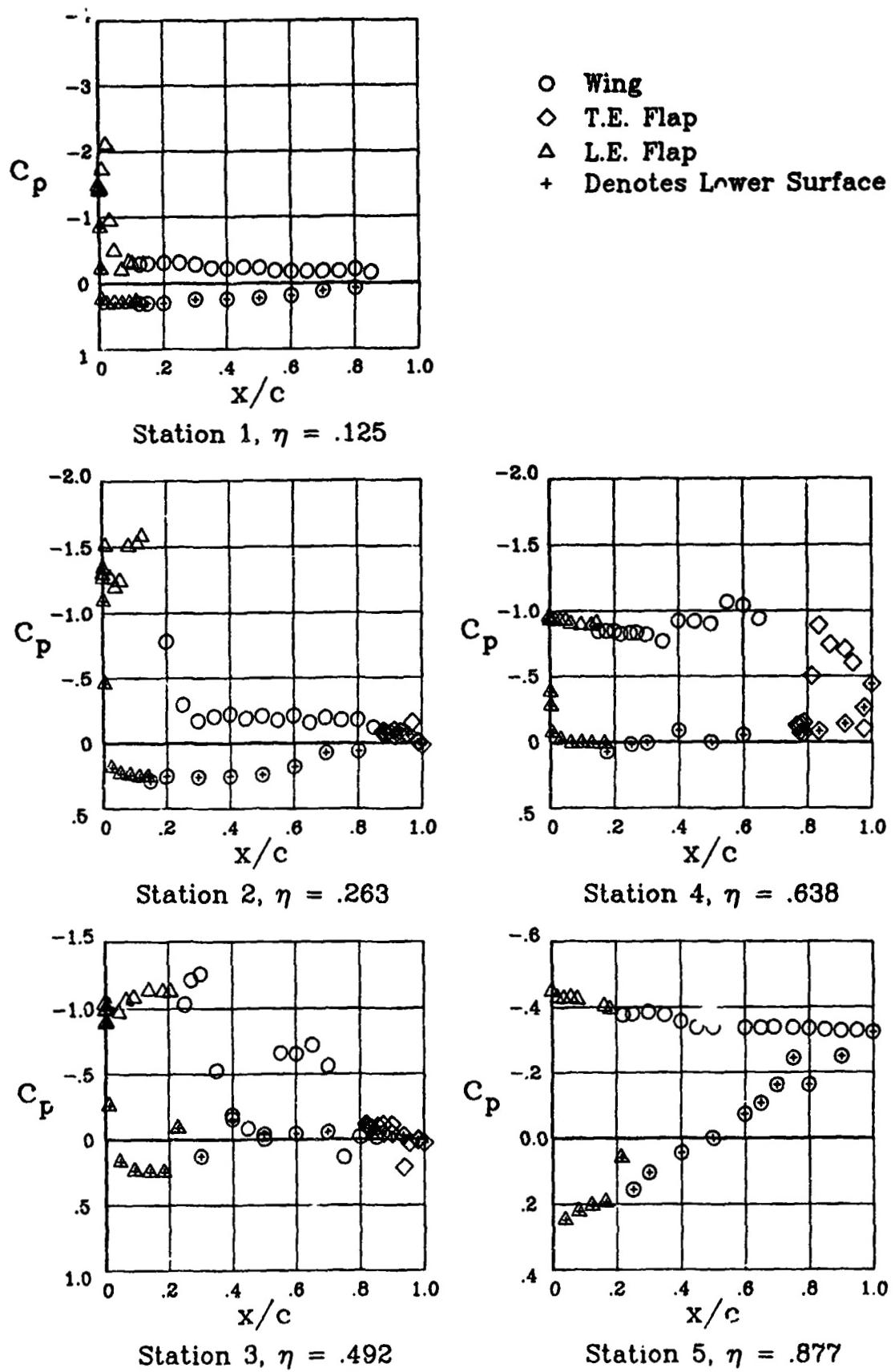
(h)  $\alpha = 8.97$

Figure 6. - Continued.



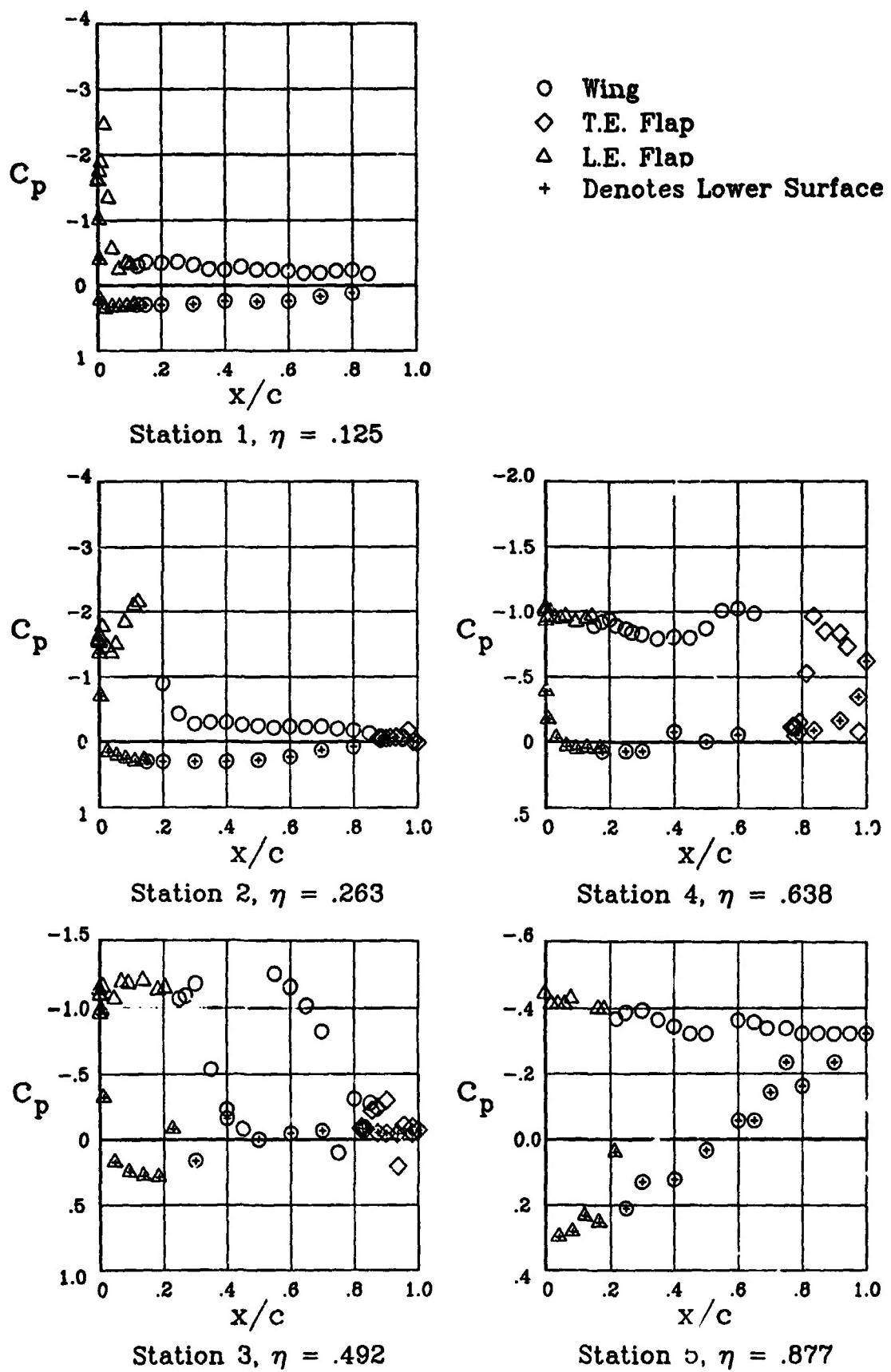
(i)  $\alpha = 11.07$

Figure 6. - Continued.



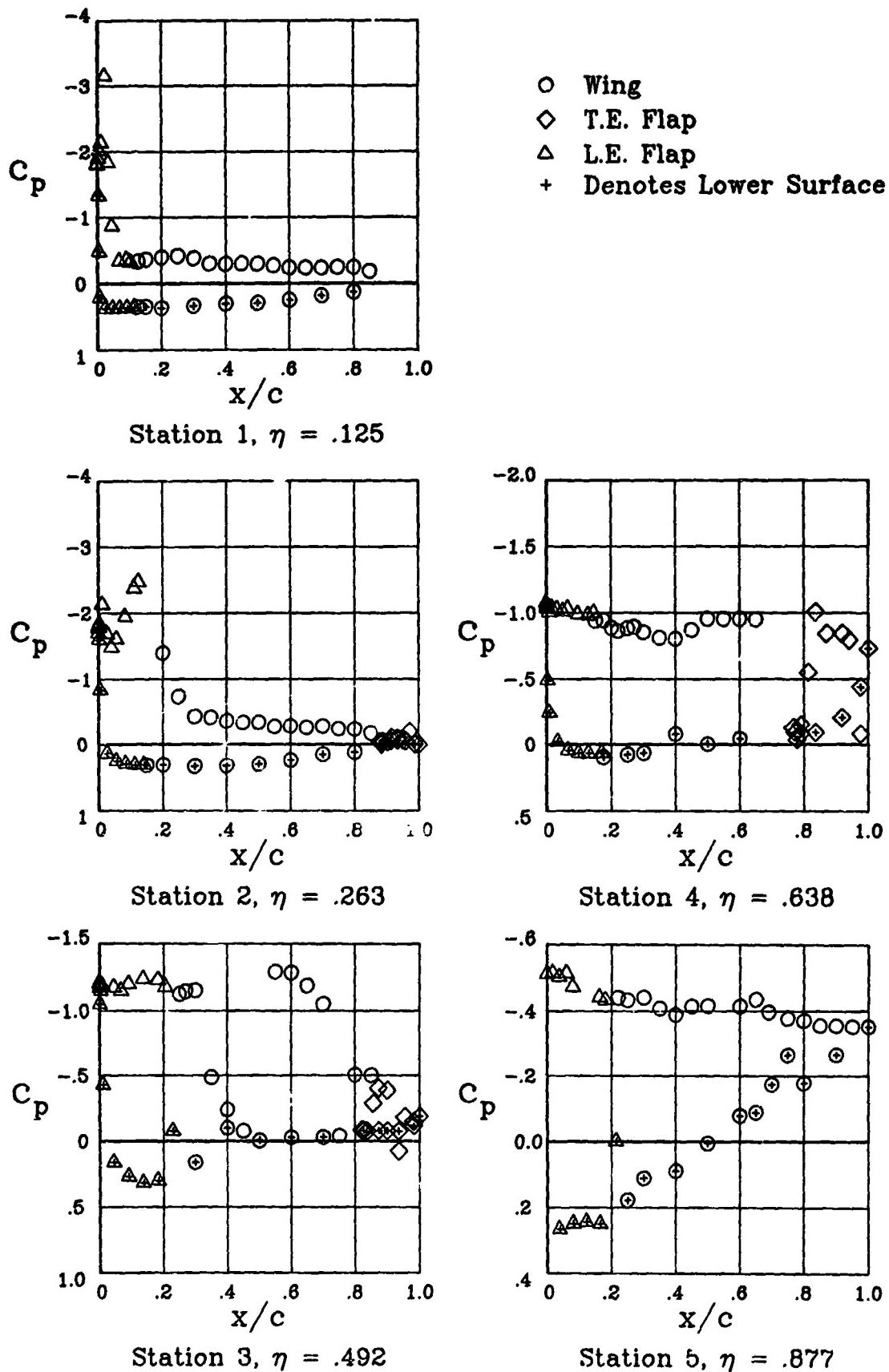
(j)  $\alpha = 13.05$

Figure 6. - Continued.



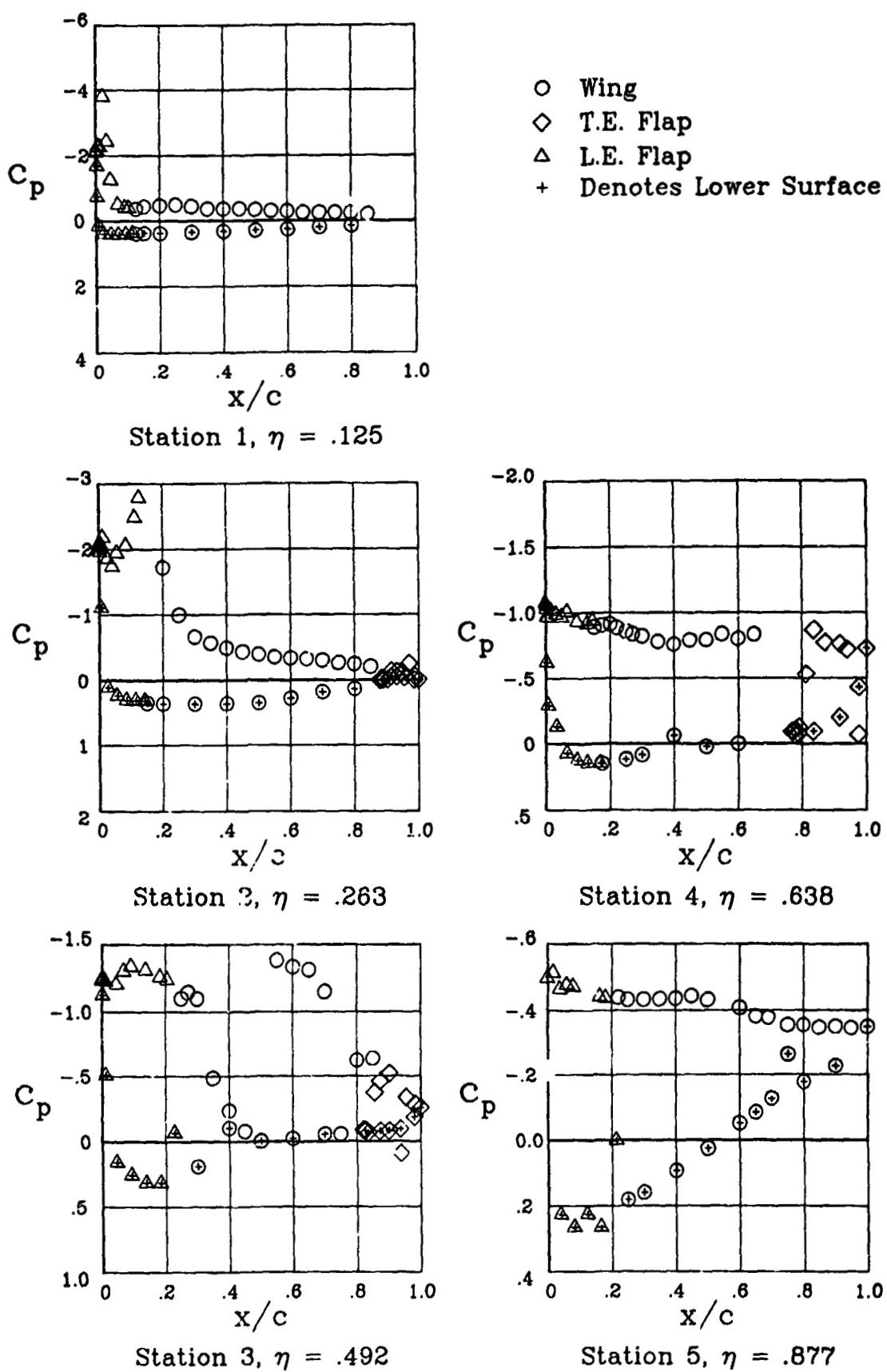
(k)  $\alpha = 15.05$

Figure 6. - Continued.



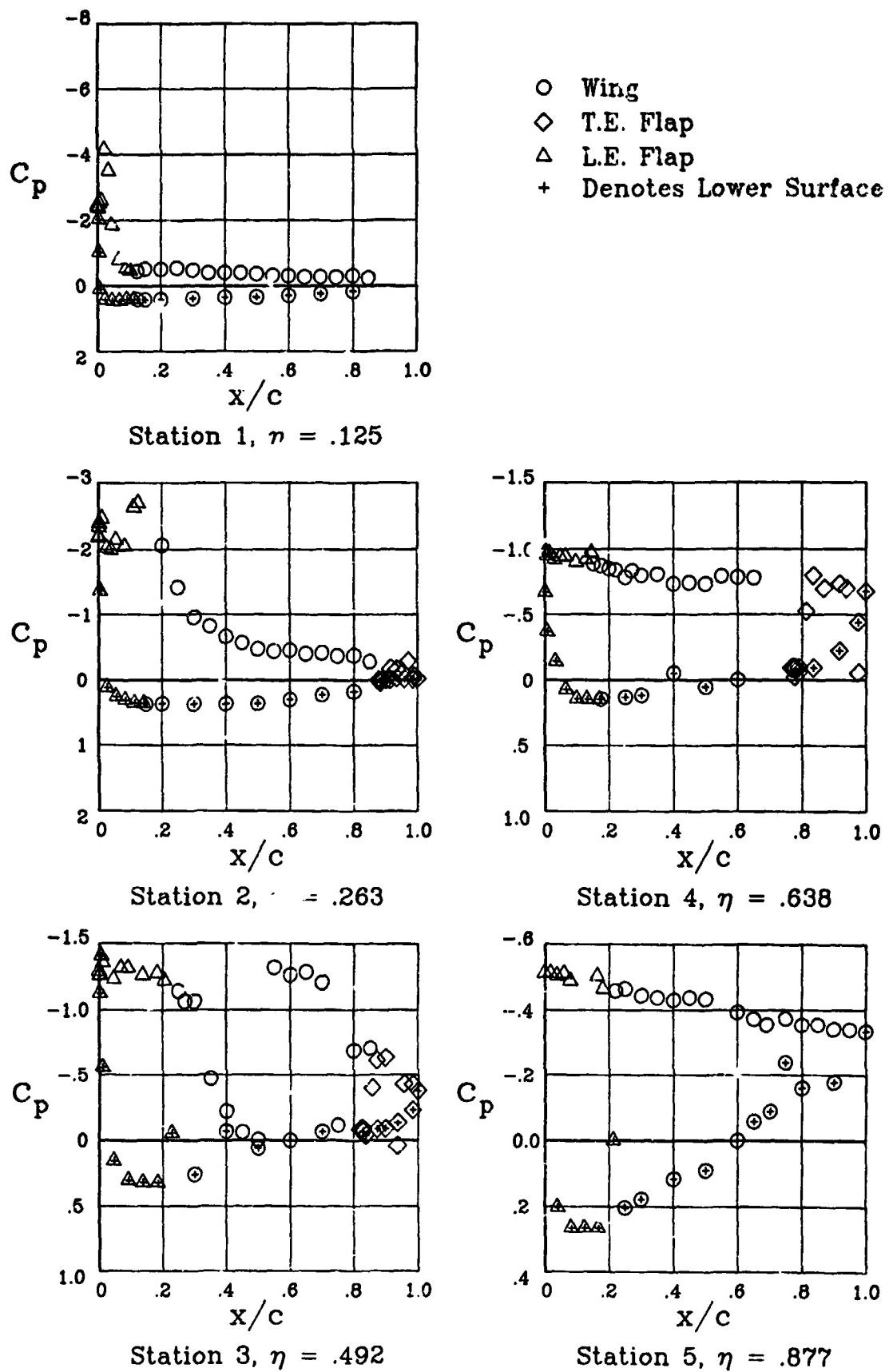
(II)  $\alpha = 16.9^\circ$

Figure 6. - Continued.



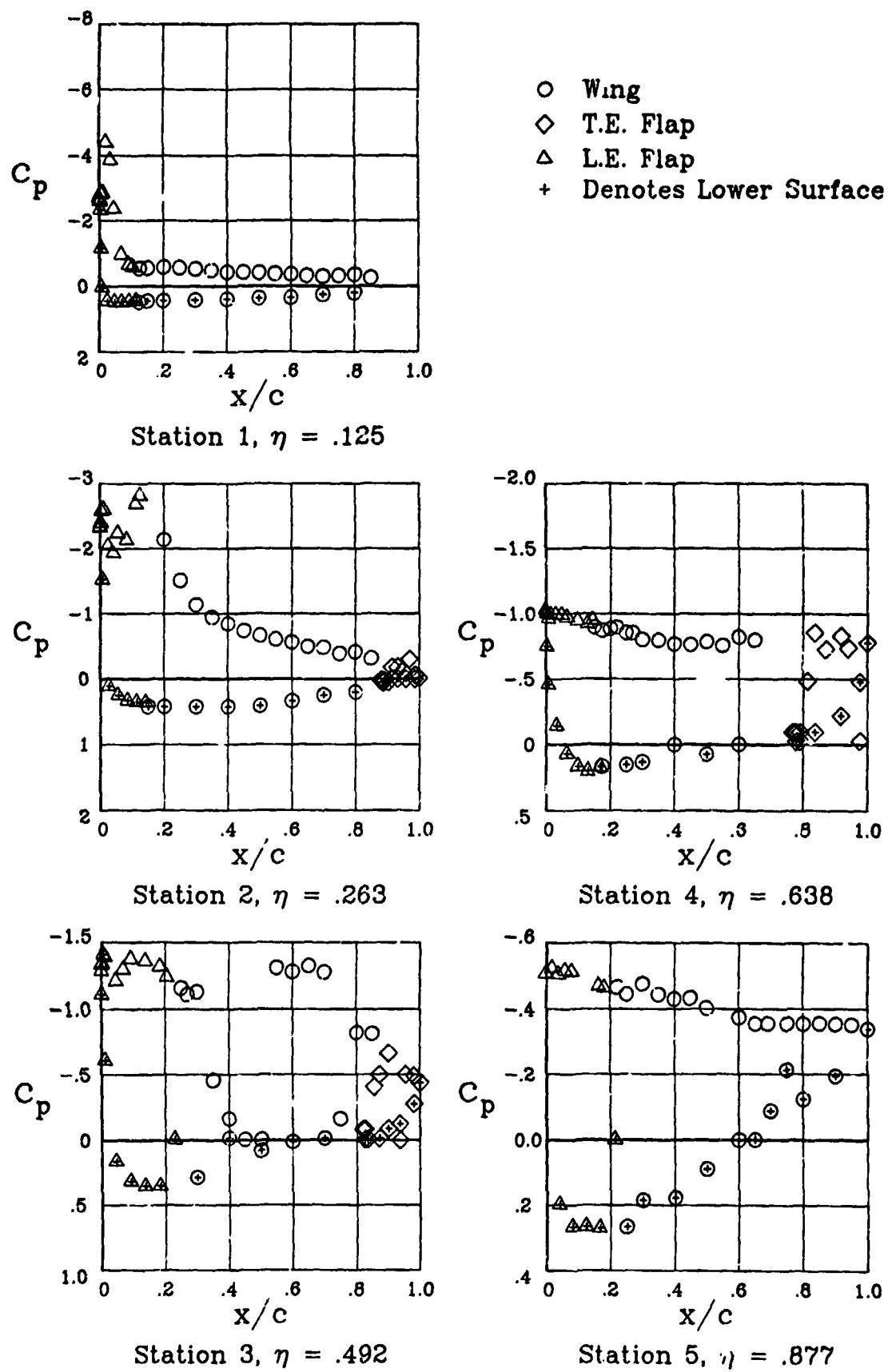
(m)  $\alpha = 18.87$

Figure 6. - Continued.



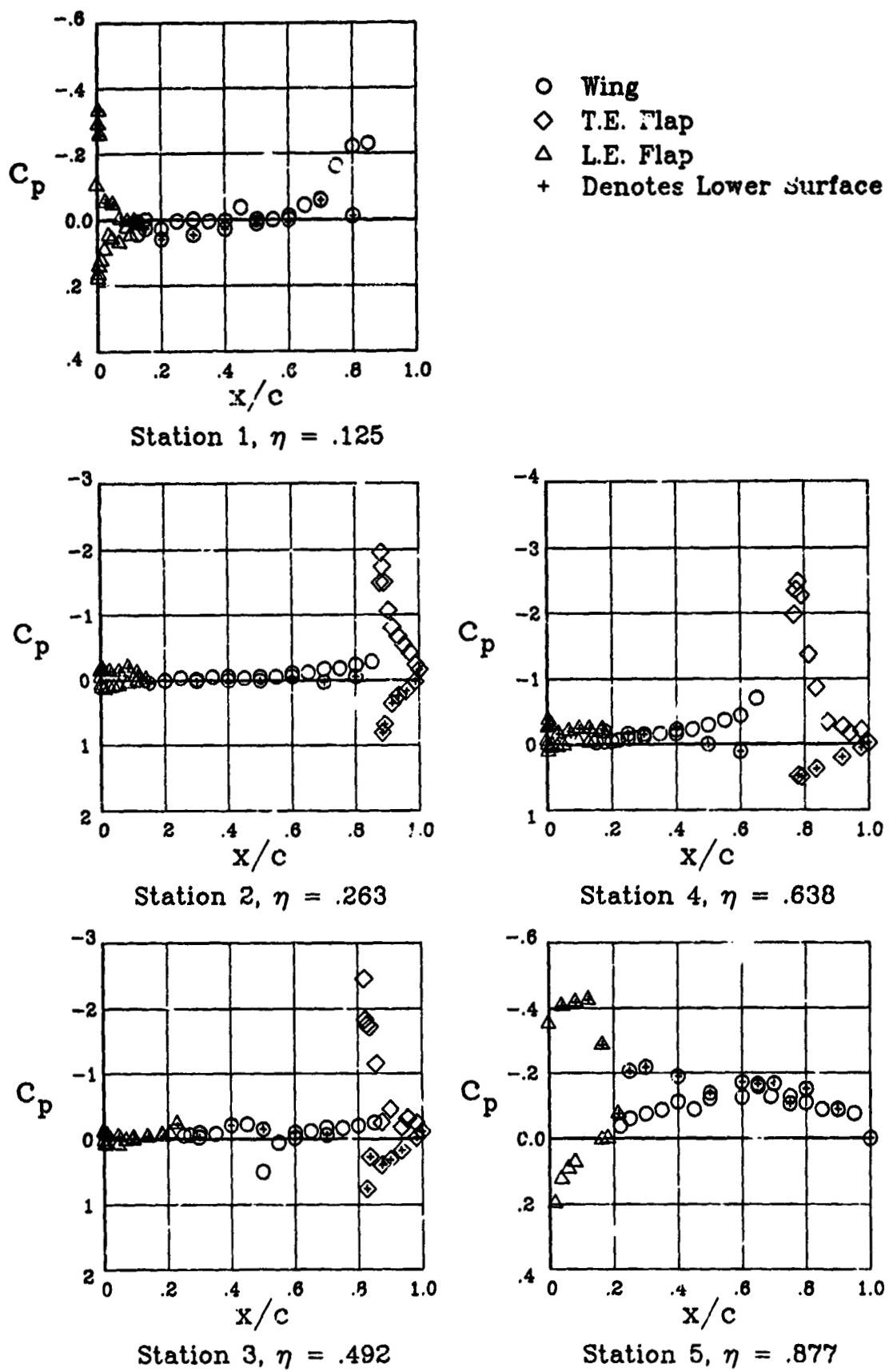
(n)  $\alpha = 20.86$

Figure 6. - Continued.



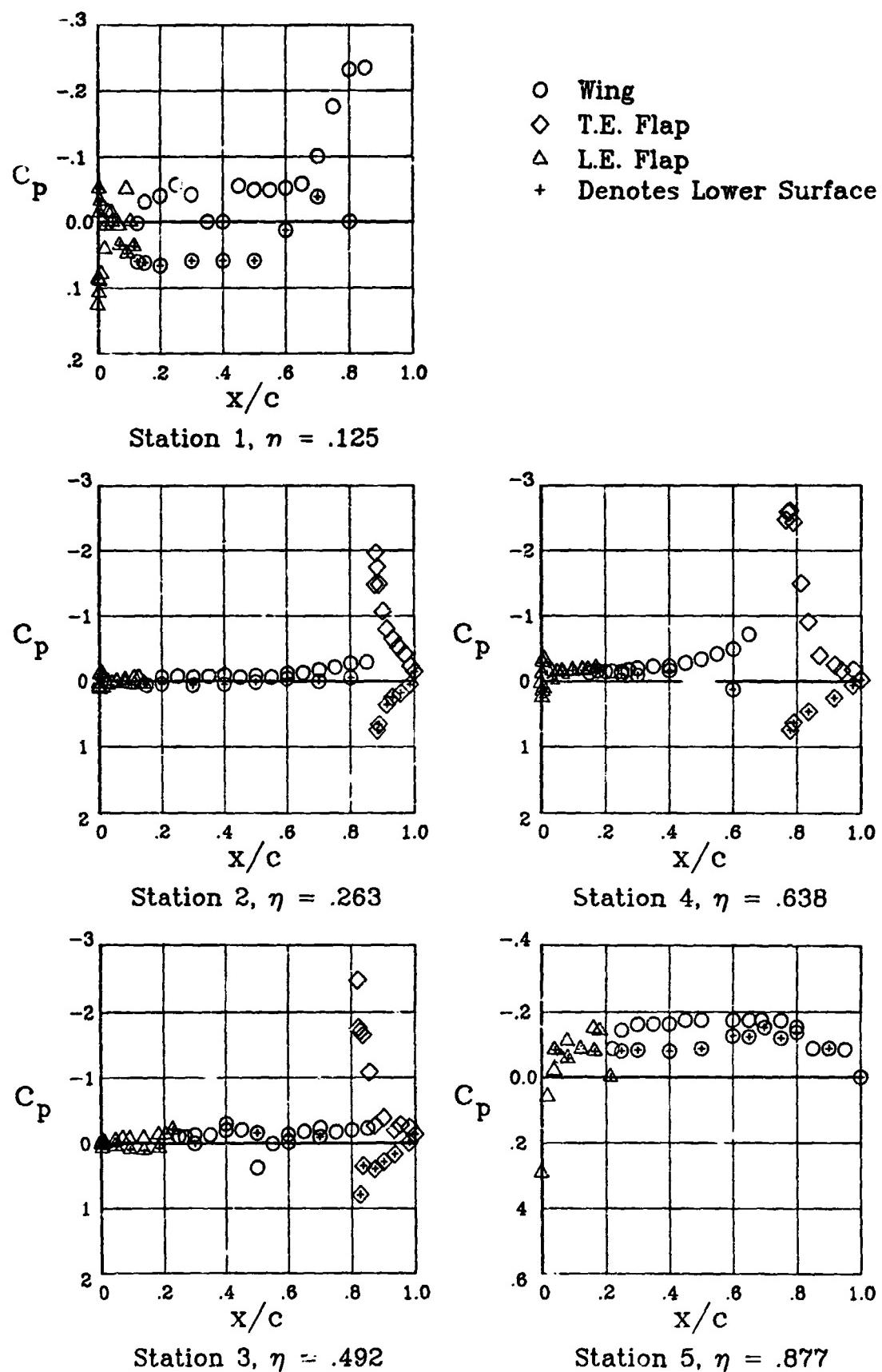
(o)  $\alpha = 22.77$

Figure 6. - Concluded.



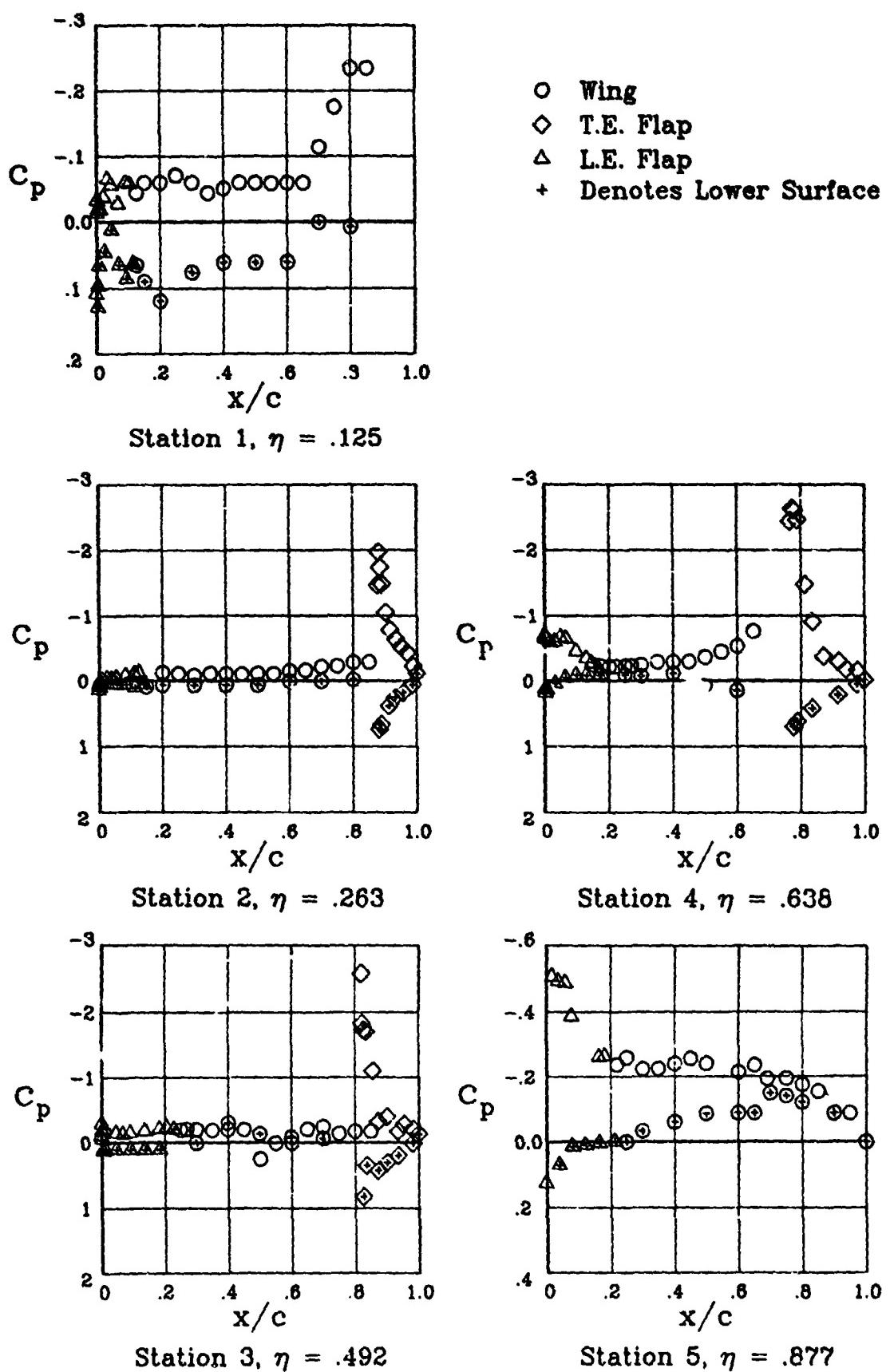
(a)  $\alpha = -5.17^\circ$

Figure 7. - Pressure distributions.  $(\delta_{f,i}, \delta_{e,i})_{1,2,3,4 \leq i \leq 6} = (0, 0, 0, 0, 0, 0)$ .  $\delta_{f,te} = 30^\circ$ .



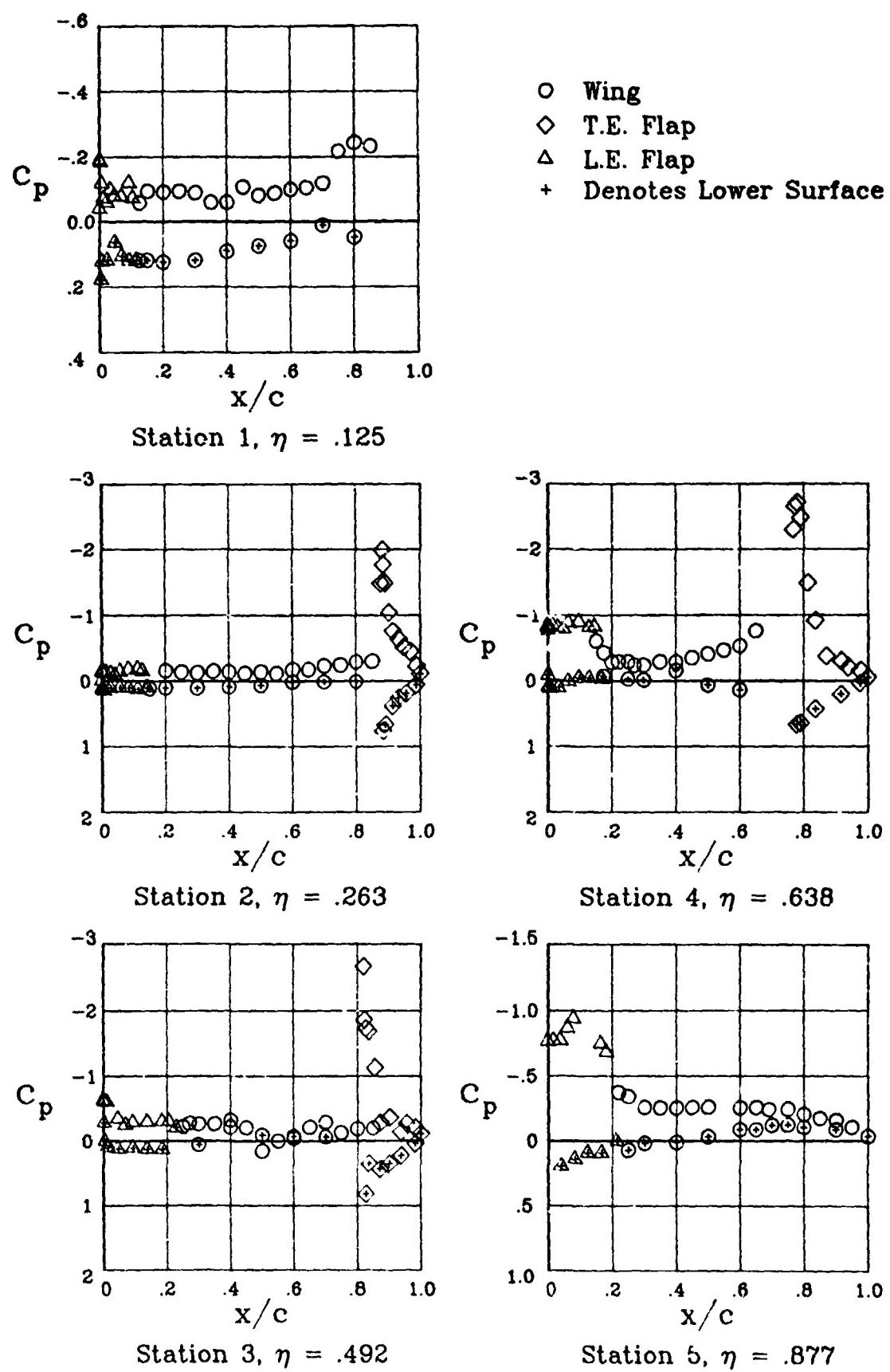
(b)  $a = -3.15$

Figure 7. - Continued.



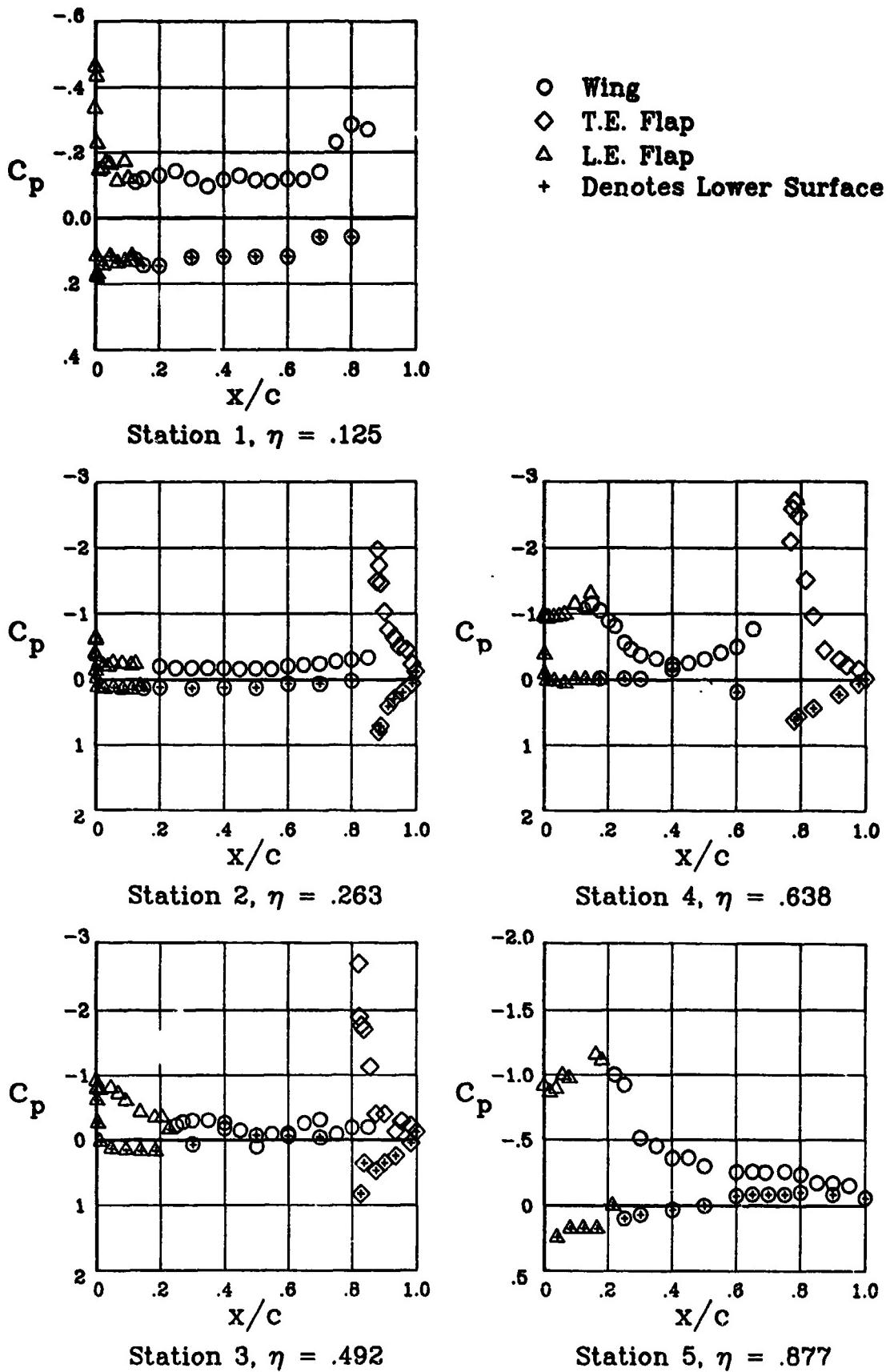
(c)  $\alpha = -1.19$

Figure 7. - Continued.



(d)  $\alpha = 0.89$

Figure 7. - Continued.



(e)  $\alpha = 2.92$

Figure 7. - Continued.

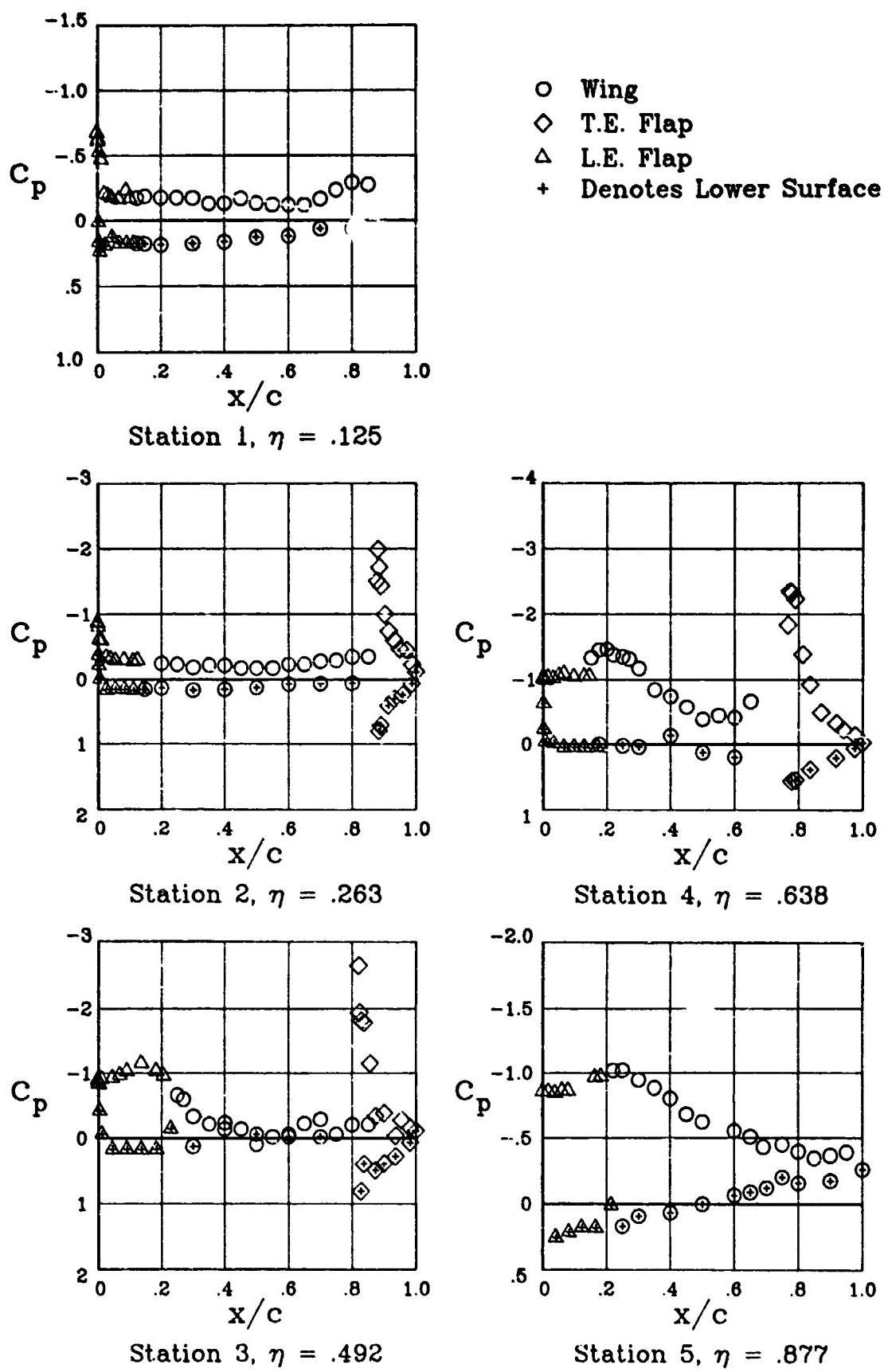
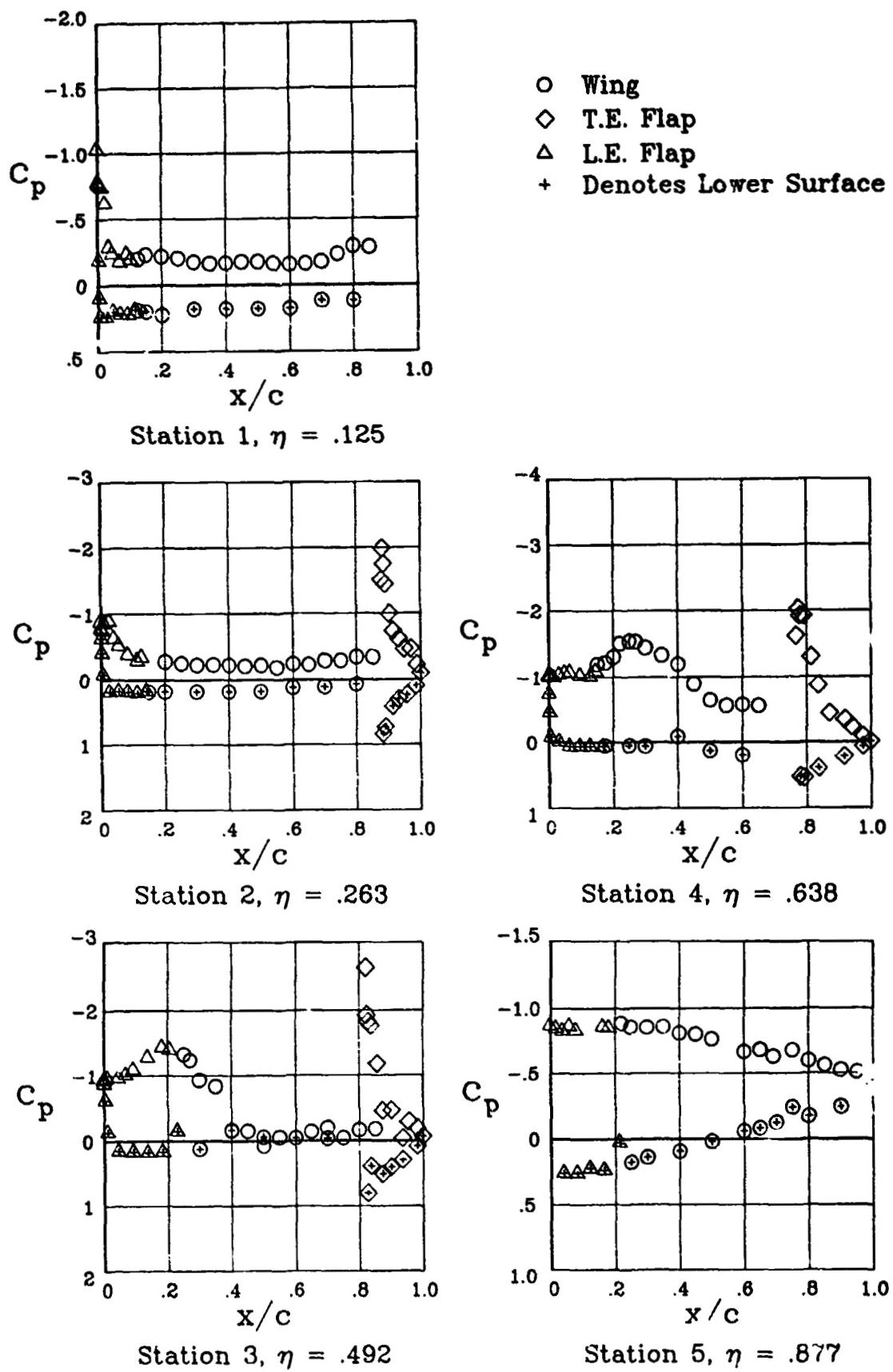
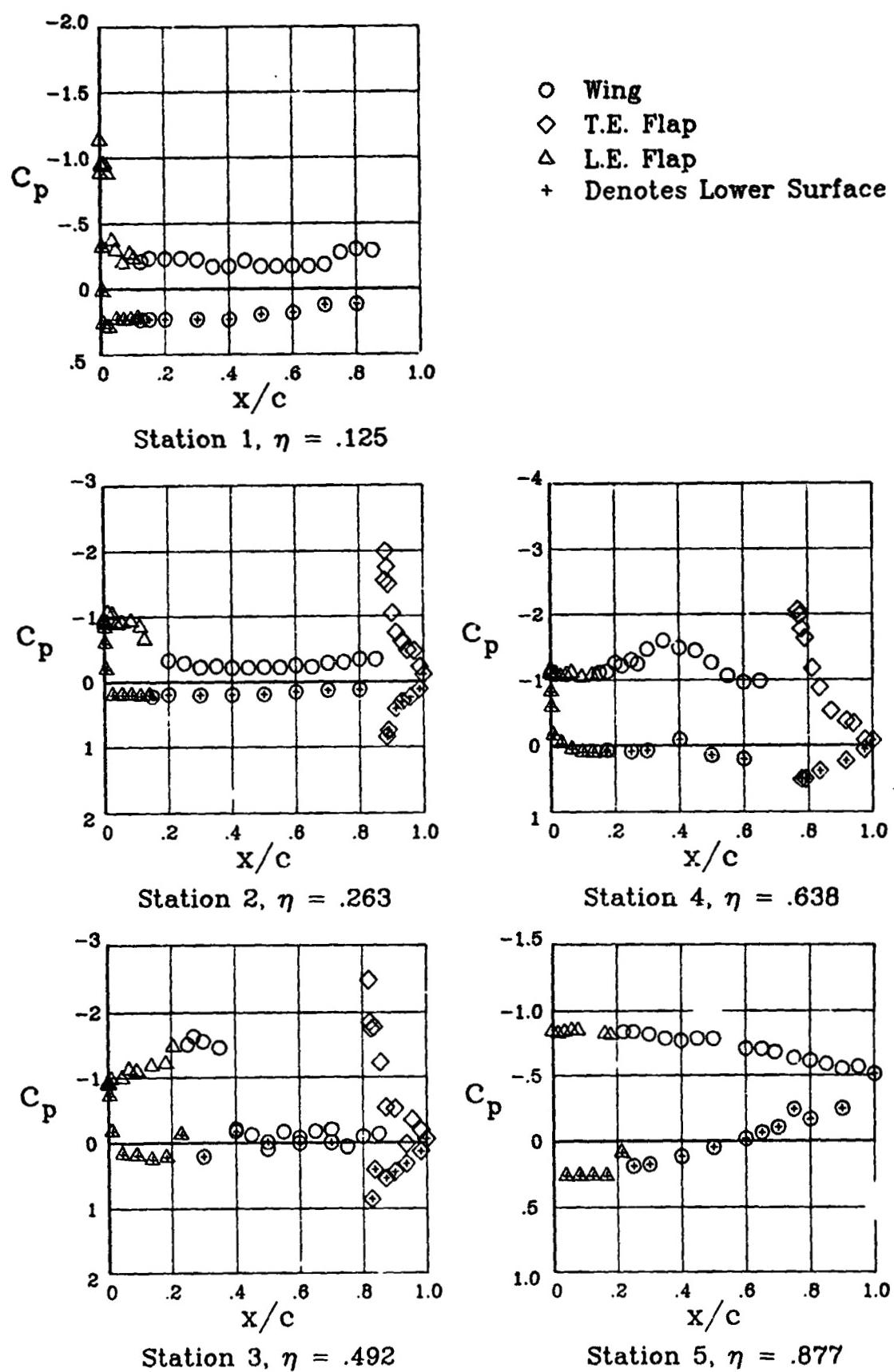


Figure 7. - Continued.



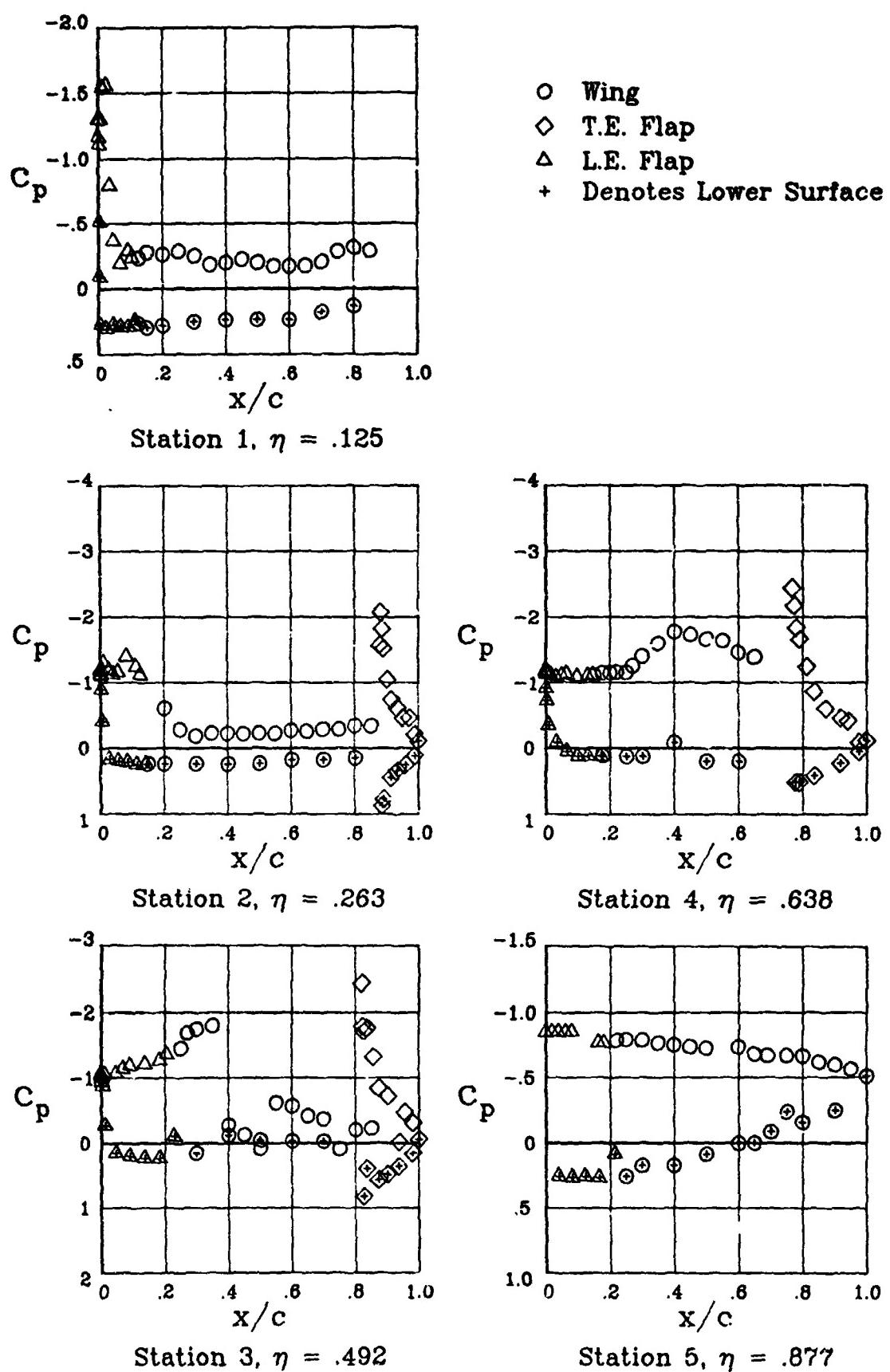
(g)  $\alpha = 6.99$

Figure 7. -Continued.



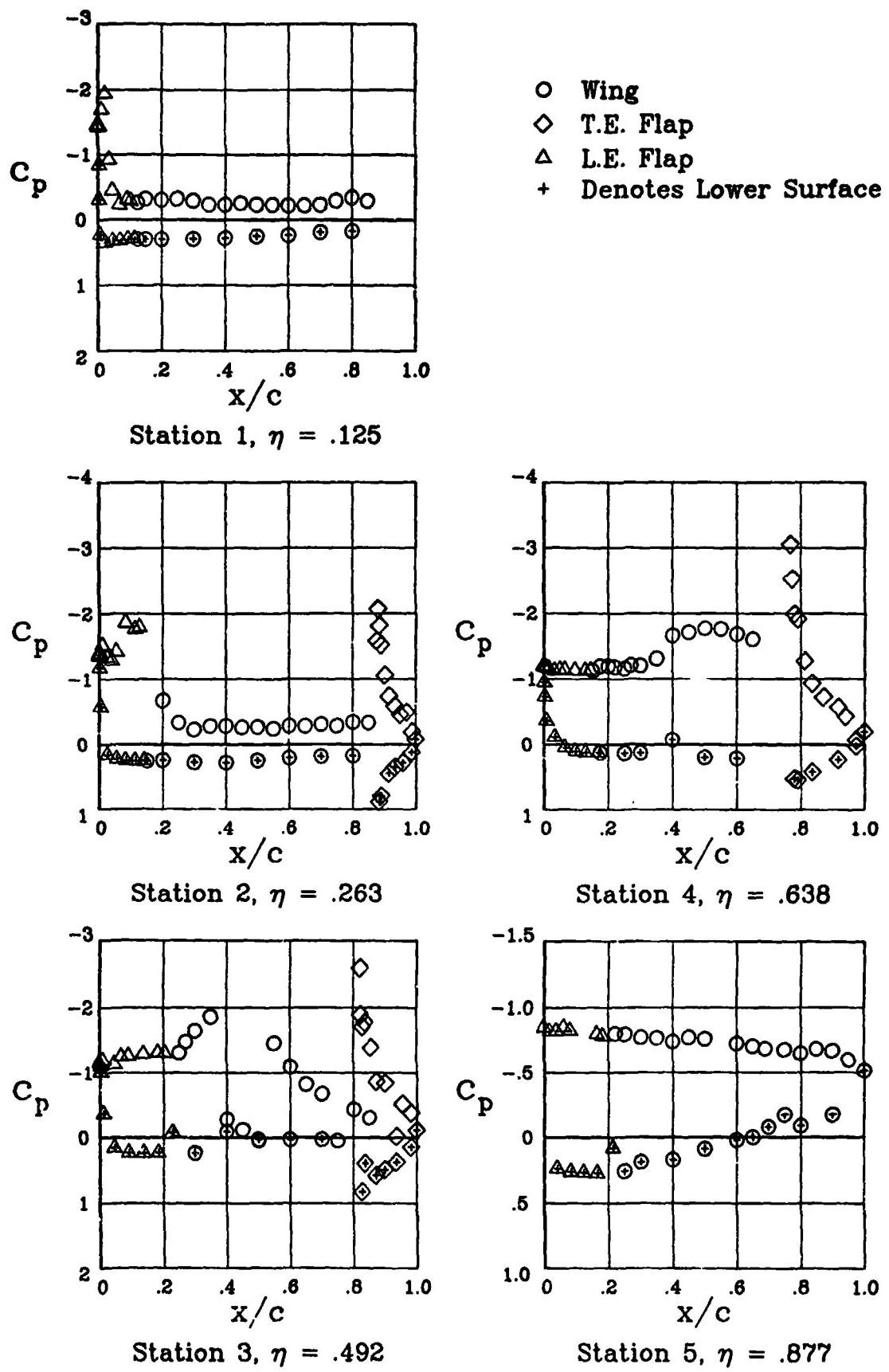
(h)  $\alpha = 8.93$

Figure 7. - Continued.



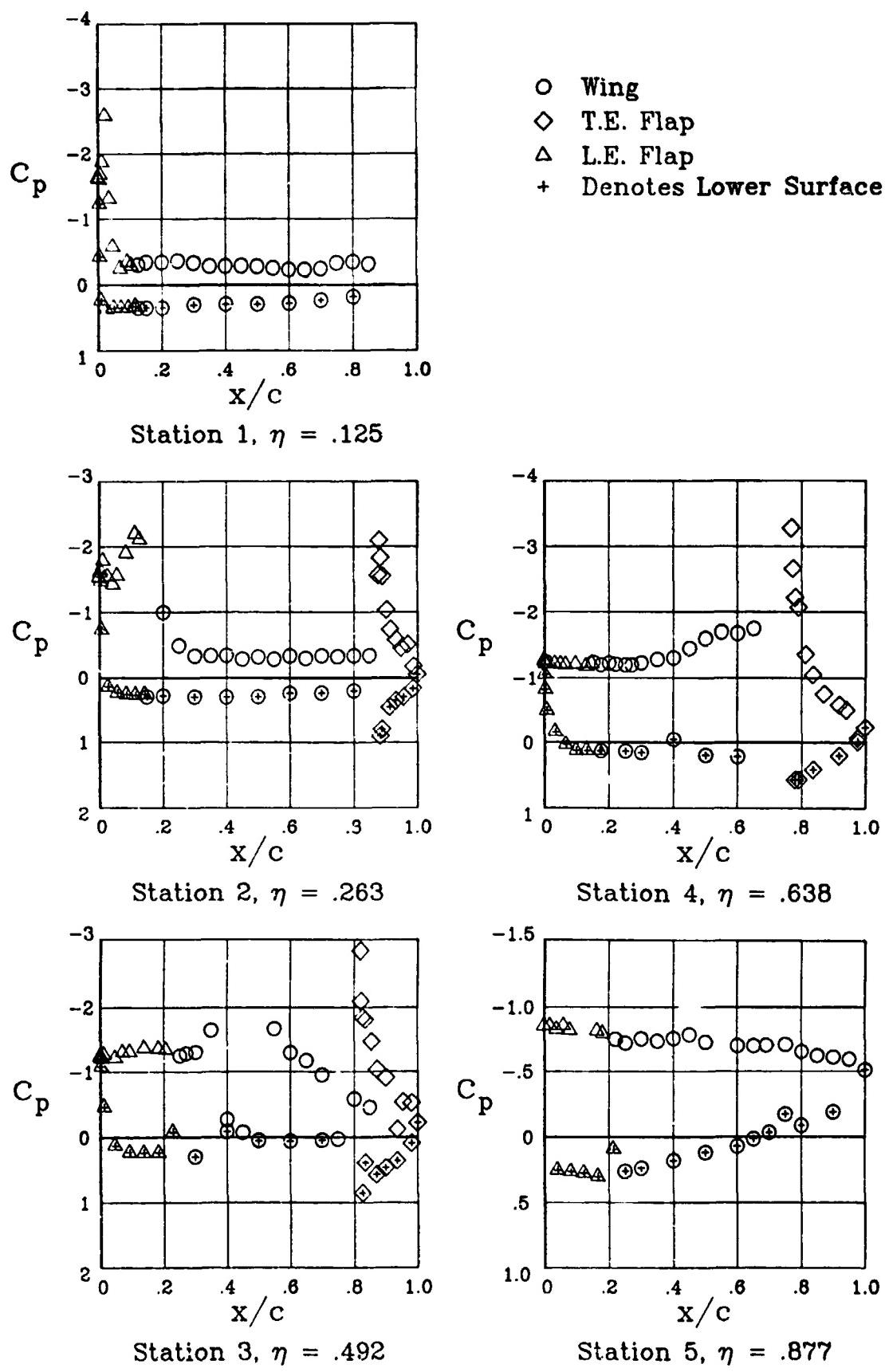
(i)  $\alpha = 11.03$

Figure 7. - Continued.



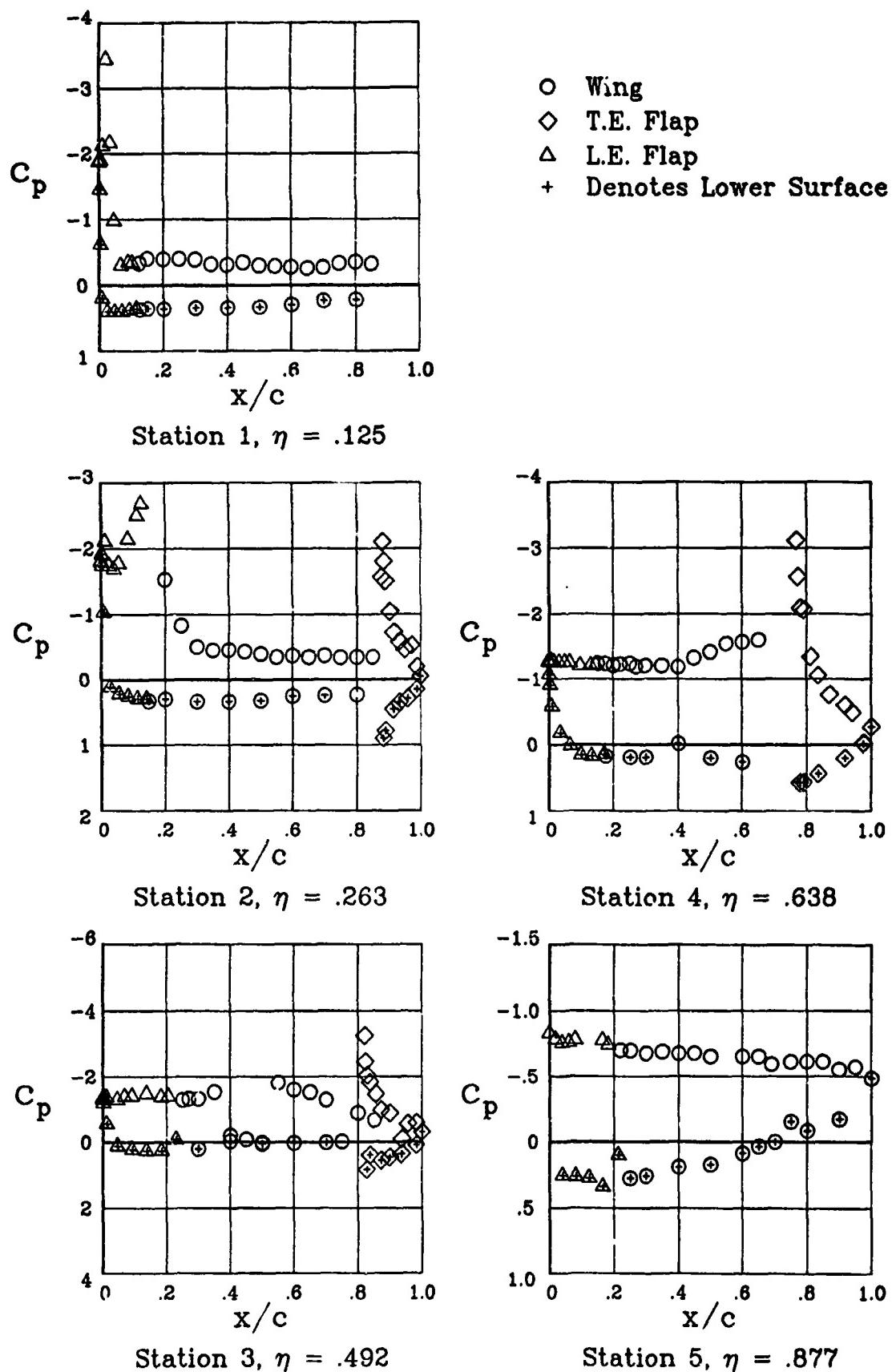
(j)  $\alpha = 13.05$

Figure 7. - Continued.



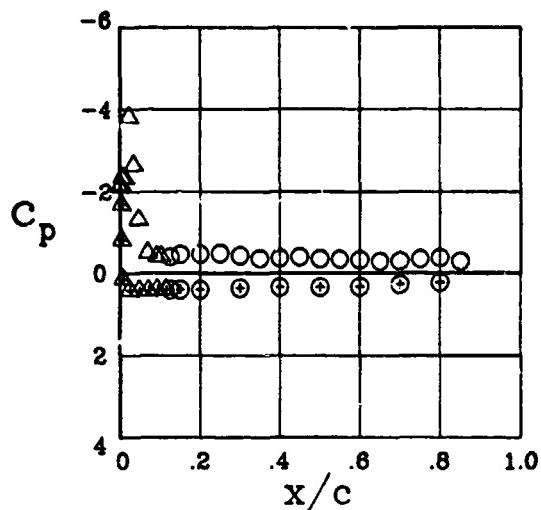
(k)  $\alpha = 15.00$

Figure 7. - Continued.



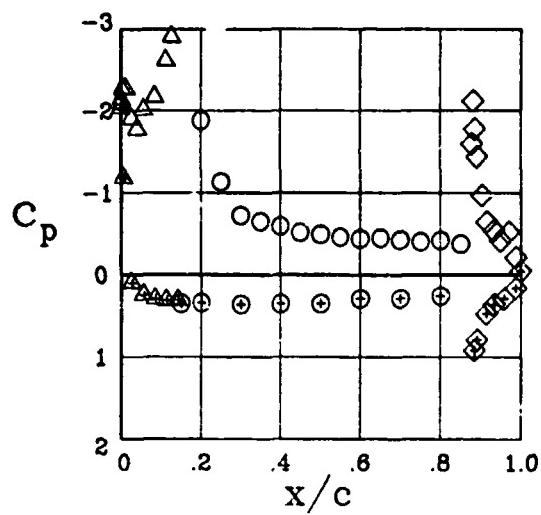
(II)  $\alpha = 16.95$

Figure 7. - Continued.

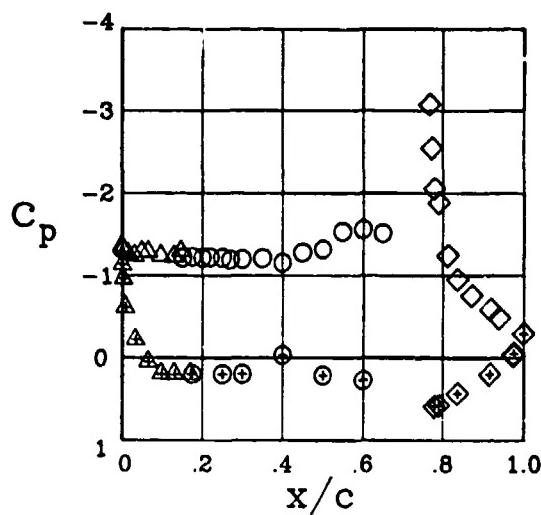


Station 1,  $\eta = .125$

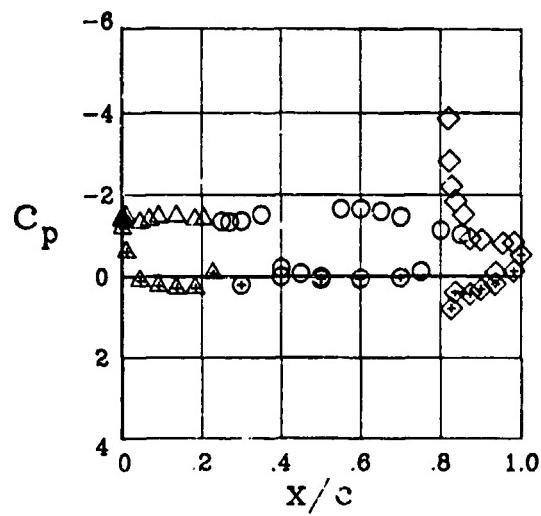
○ Wing  
 ◇ T.E. Flap  
 △ L.E. Flap  
 + Denotes Lower Surface



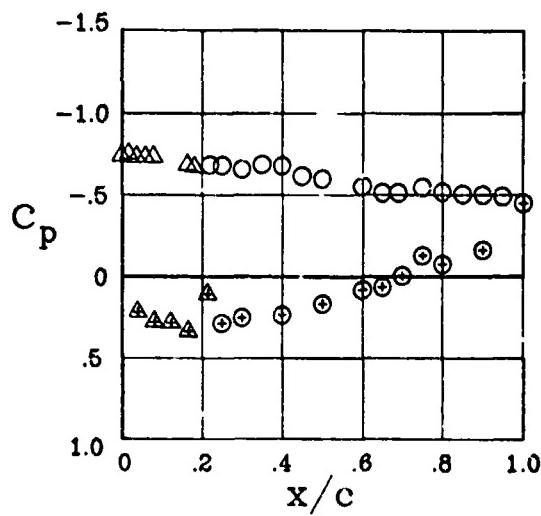
Station 2,  $\eta = .263$



Station 4,  $\eta = .638$



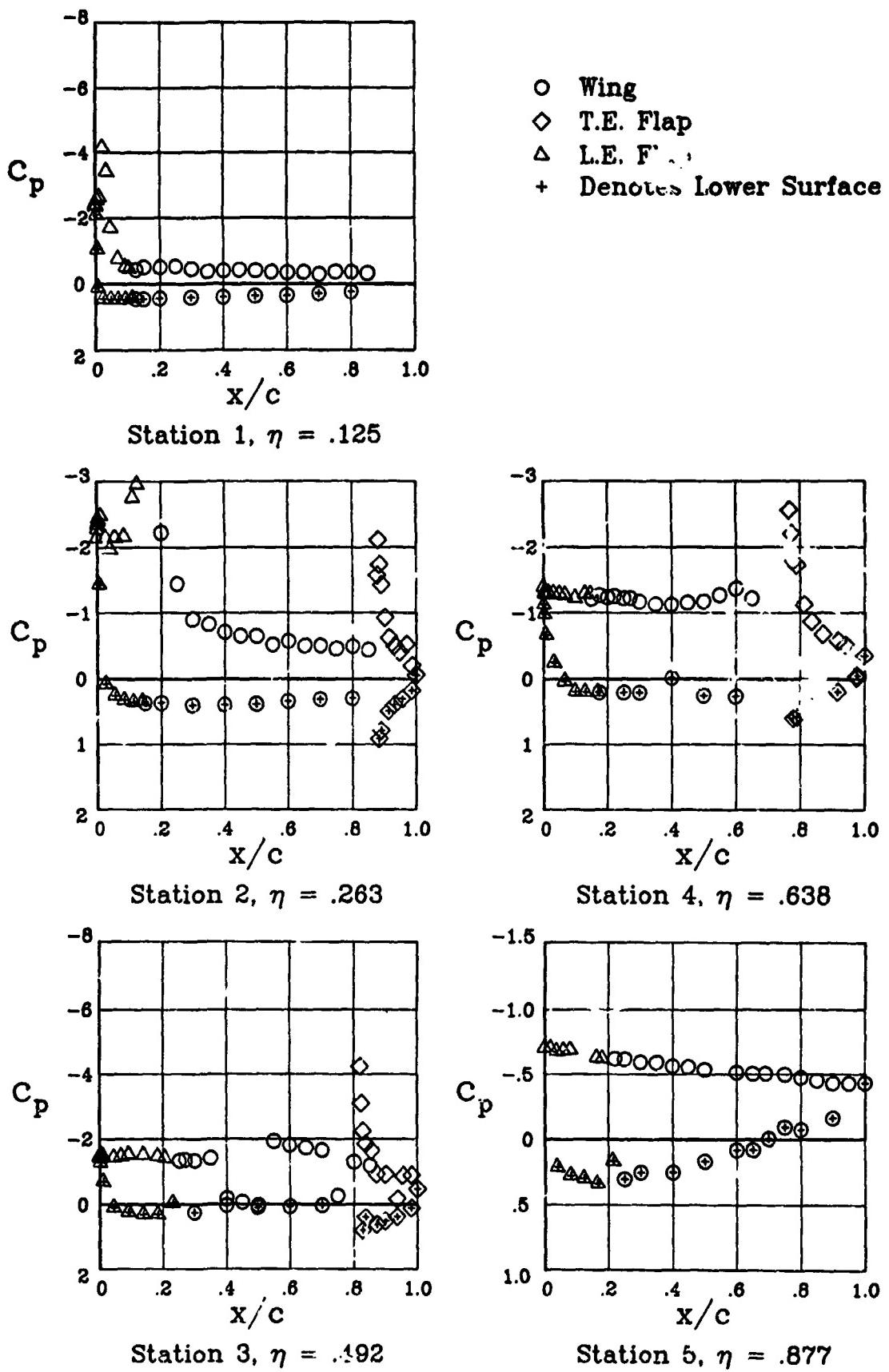
Station 3,  $\eta = .492$



Station 5,  $\eta = .877$

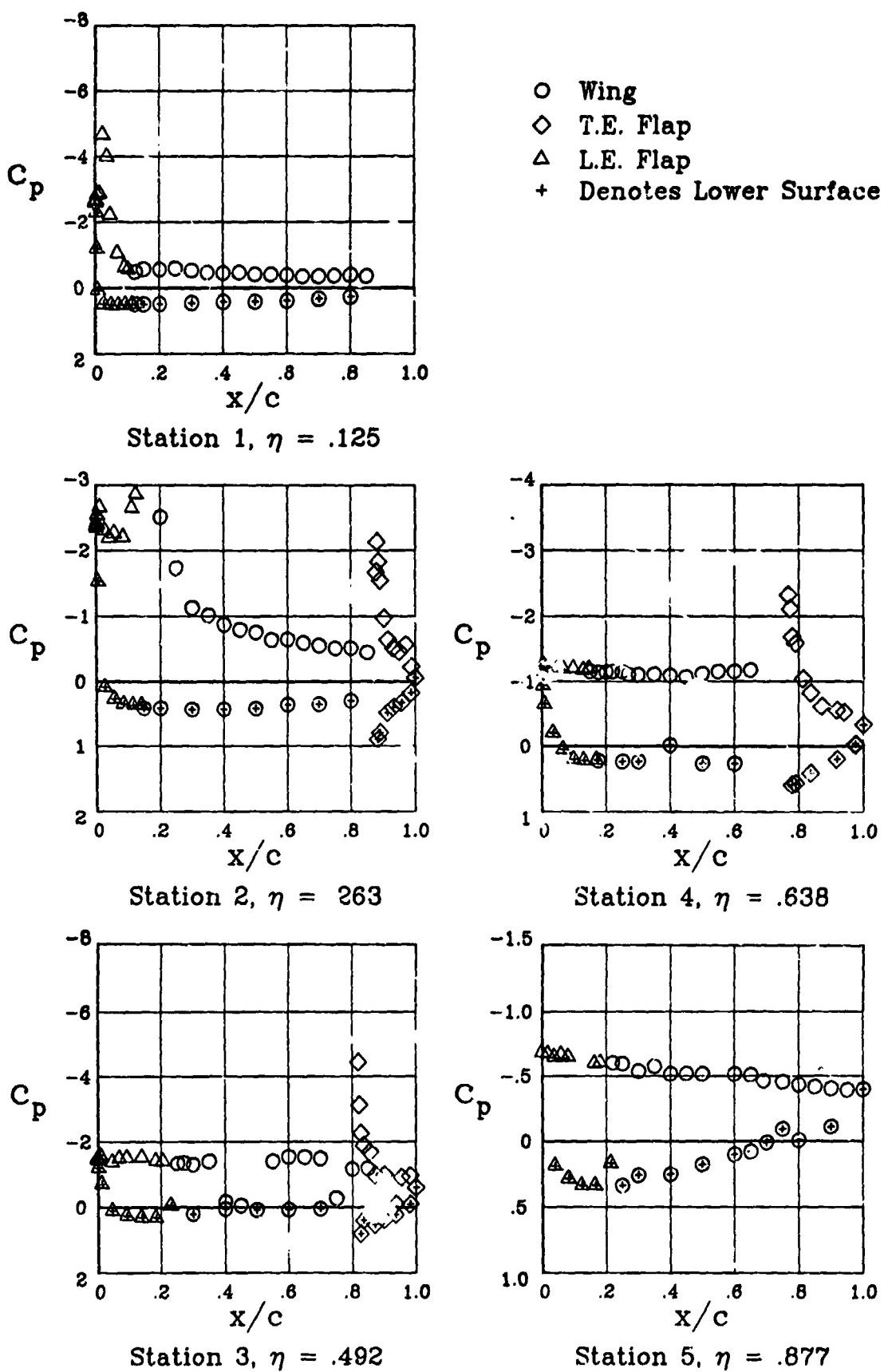
(m)  $\alpha = 18.93$

Figure 7. -Continued.



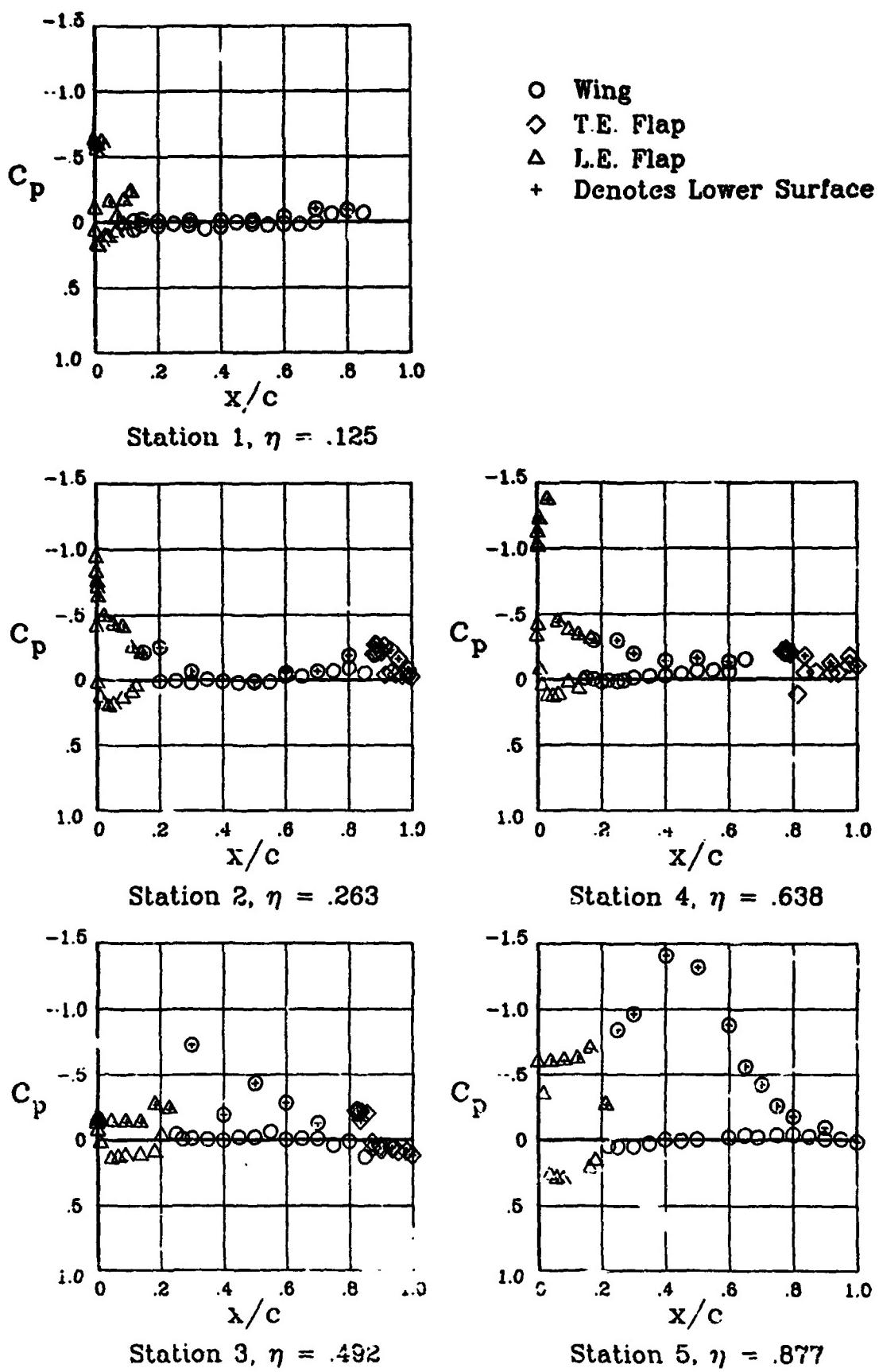
(n)  $\alpha = 20.85$

Figure 7. -Continued.



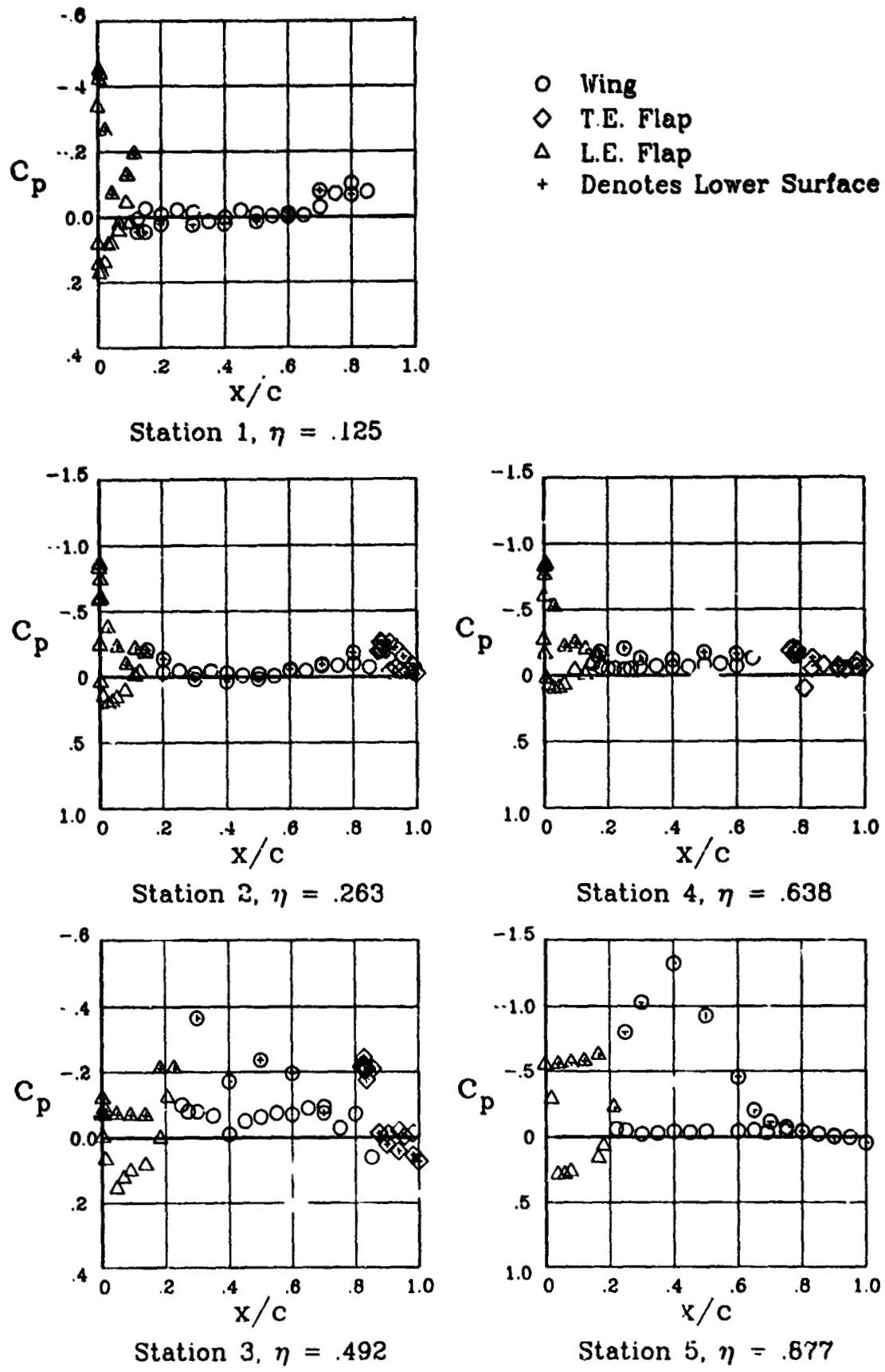
(o)  $\alpha = 22.73$

Figure 7. - Concluded.



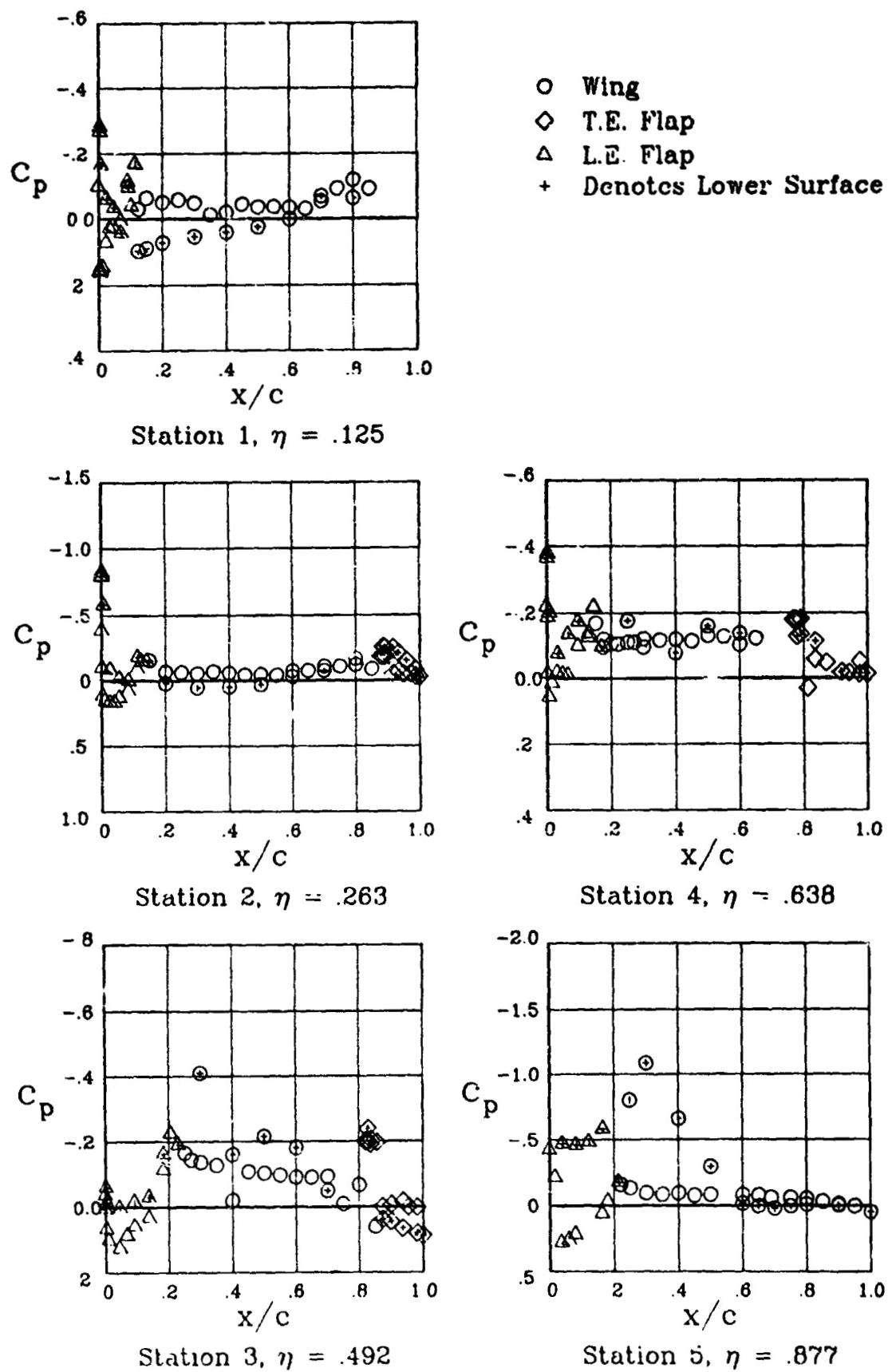
(a)  $\alpha = -5.21^\circ$

Figure 8. - Pressure distributions. ( $\delta_f, \epsilon_e$ ) 1, 2, 3, 4, 5,  $\epsilon = 13, 34, 35, 35, 19, 29$ .  $\delta_f, t_e = 0$ .



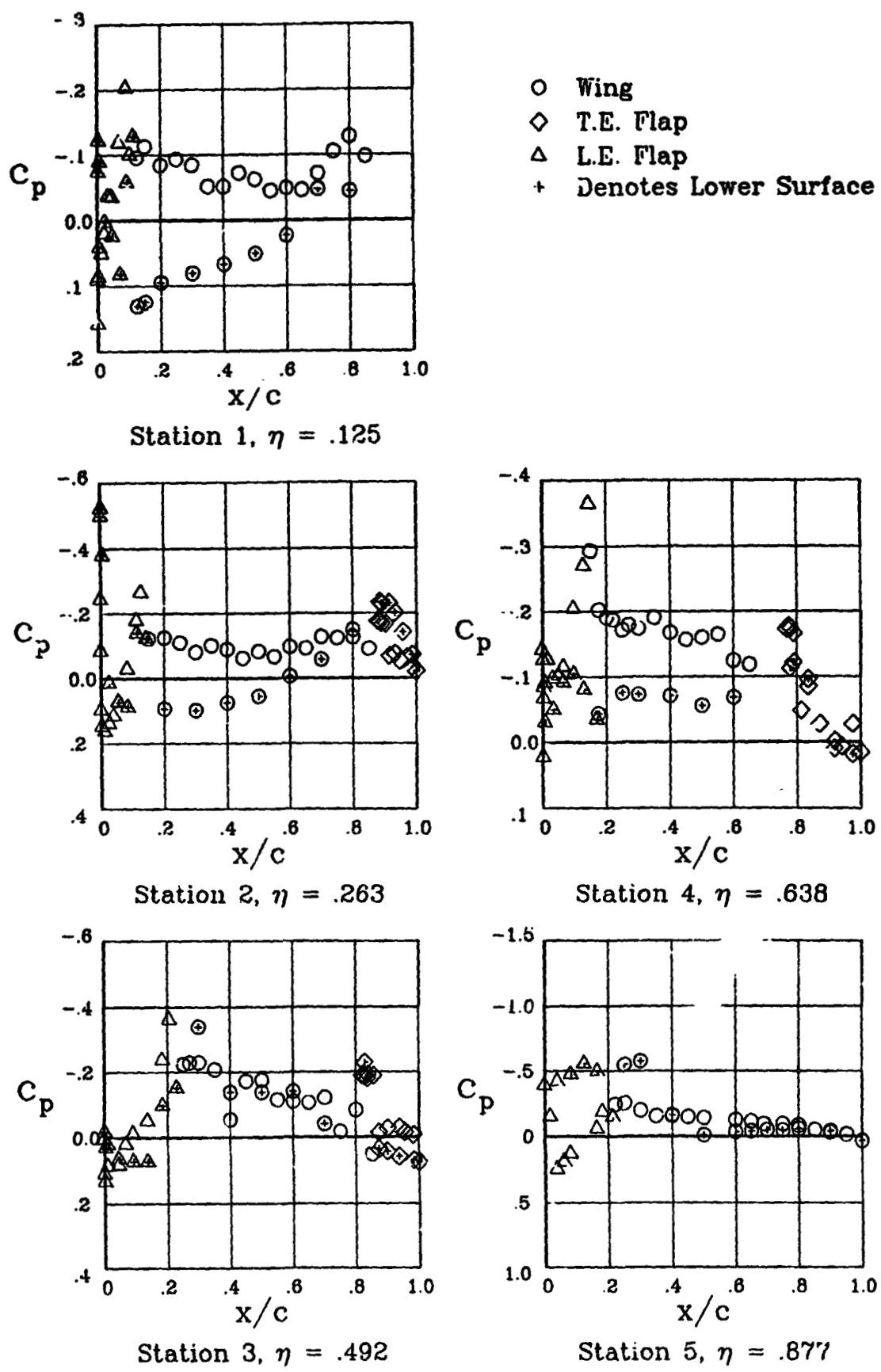
(b)  $\alpha = -3.23$

Figure 8. - Continued.



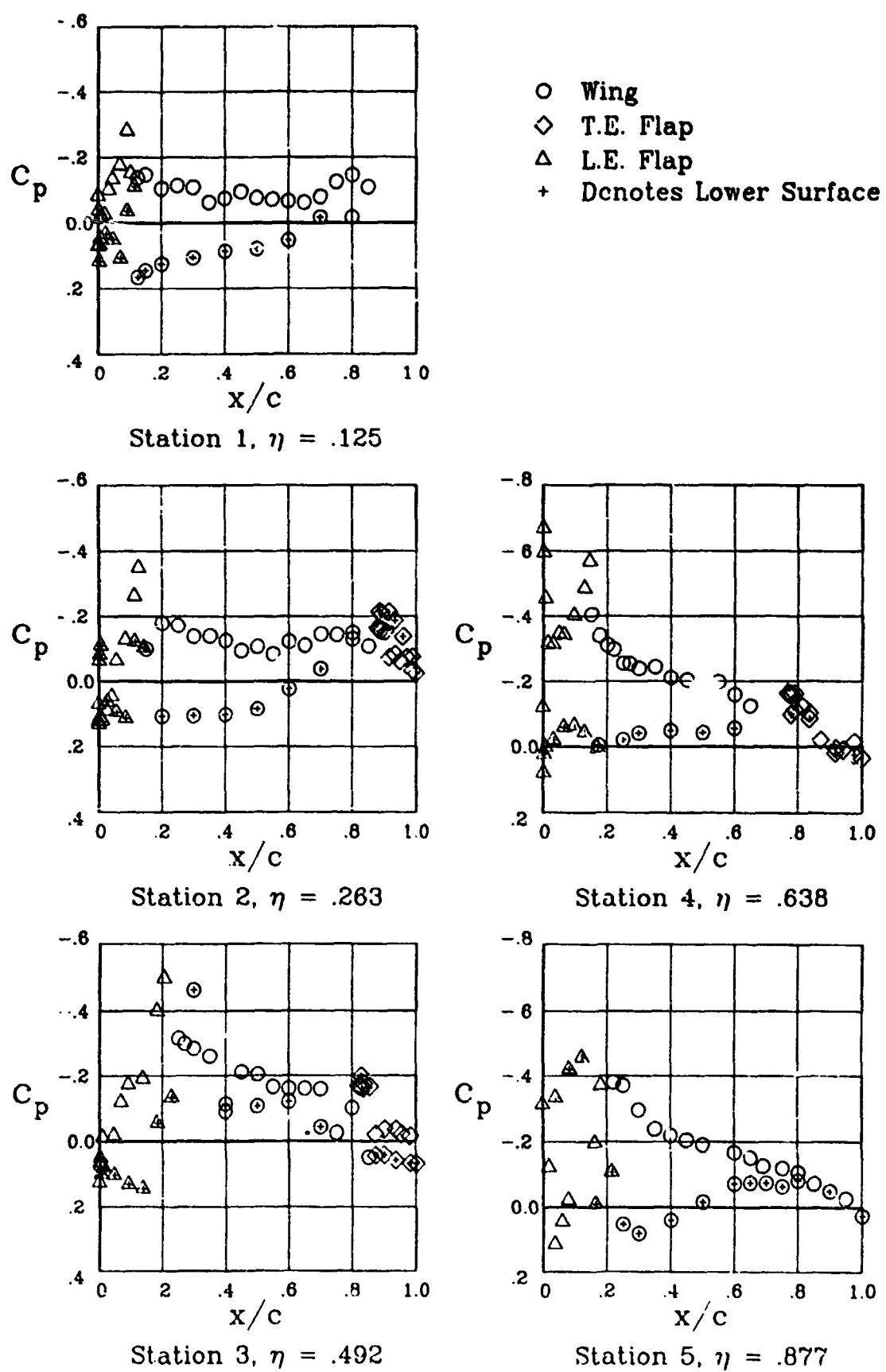
(c)  $\alpha = -1.16$

Figure 8. - Continued.



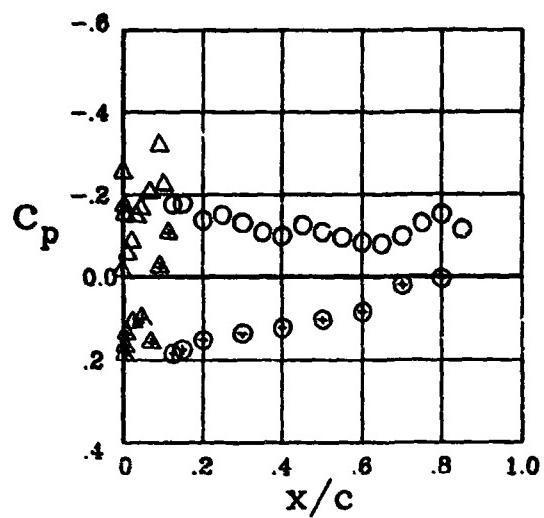
(d)  $\alpha = 0.88$

Figure 8. - Continued.



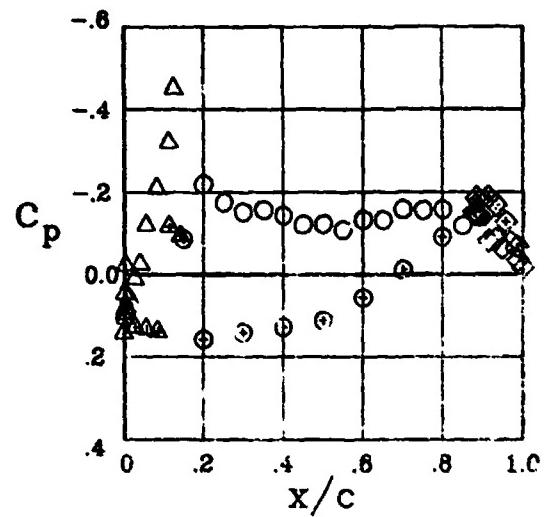
(e)  $\alpha = 2.94$

Figure 8. - Continued.

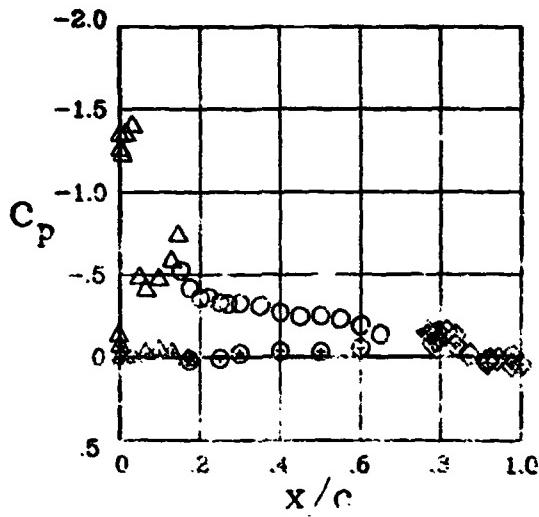


○ Wing  
 ◇ T.E. Flap  
 △ L.E. Flap  
 + Denotes Lower Surface

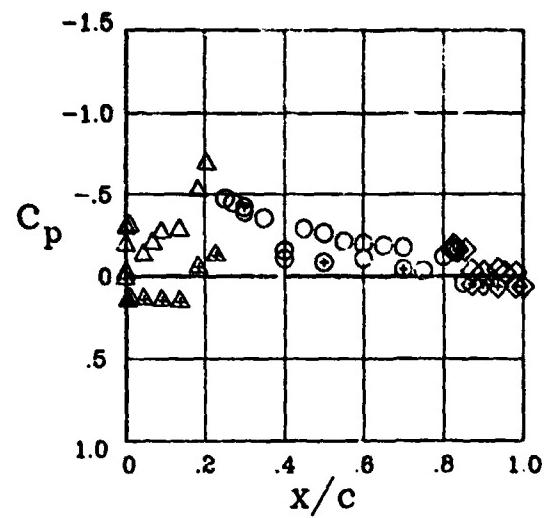
Station 1,  $\eta = .125$



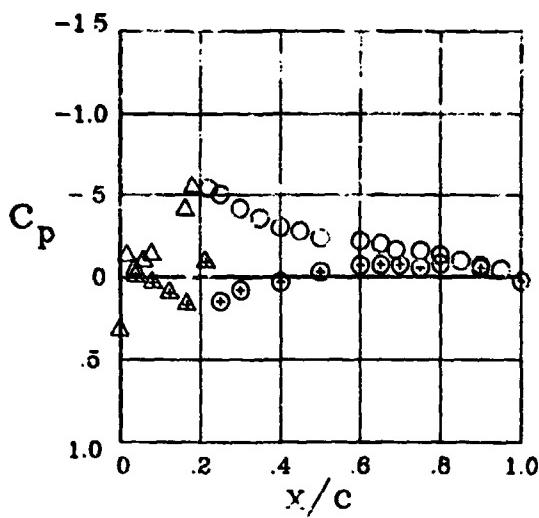
Station 2,  $\eta = .263$



Station 4,  $\eta = .633$



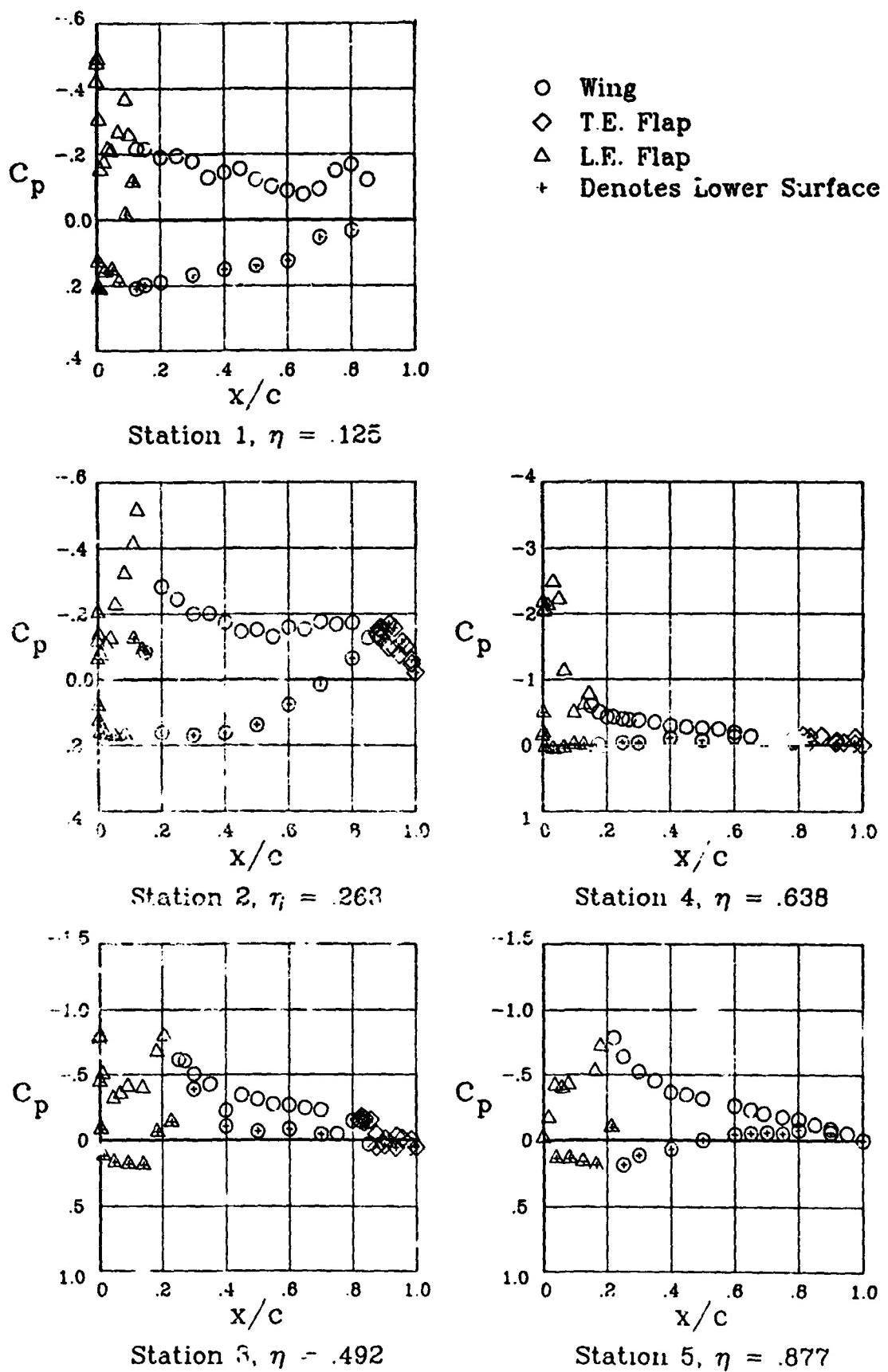
Station 3,  $\eta = .492$



Station 5,  $\eta = .877$

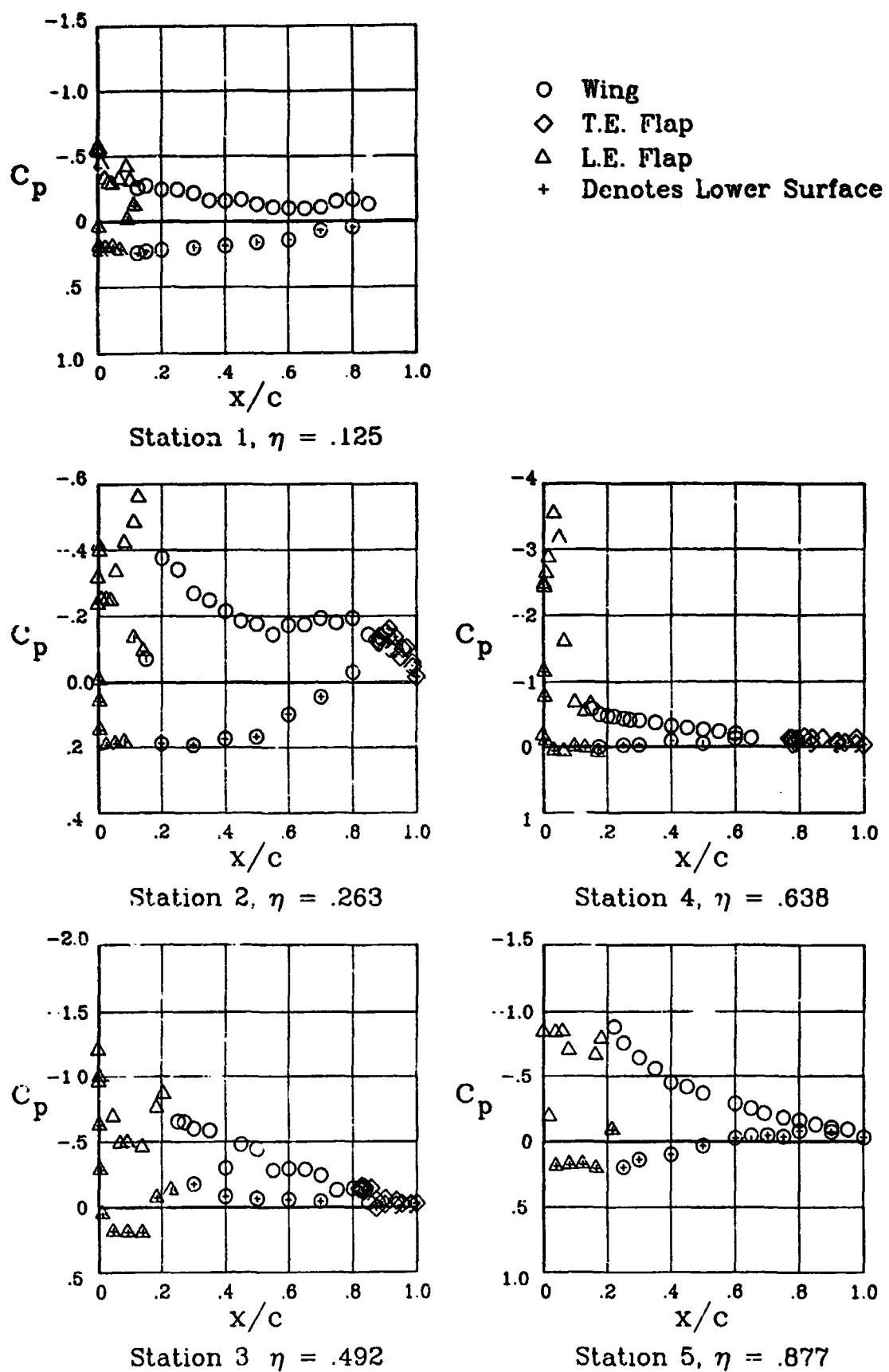
(f)  $\alpha = 4.99$

Figure 8. - Continued.



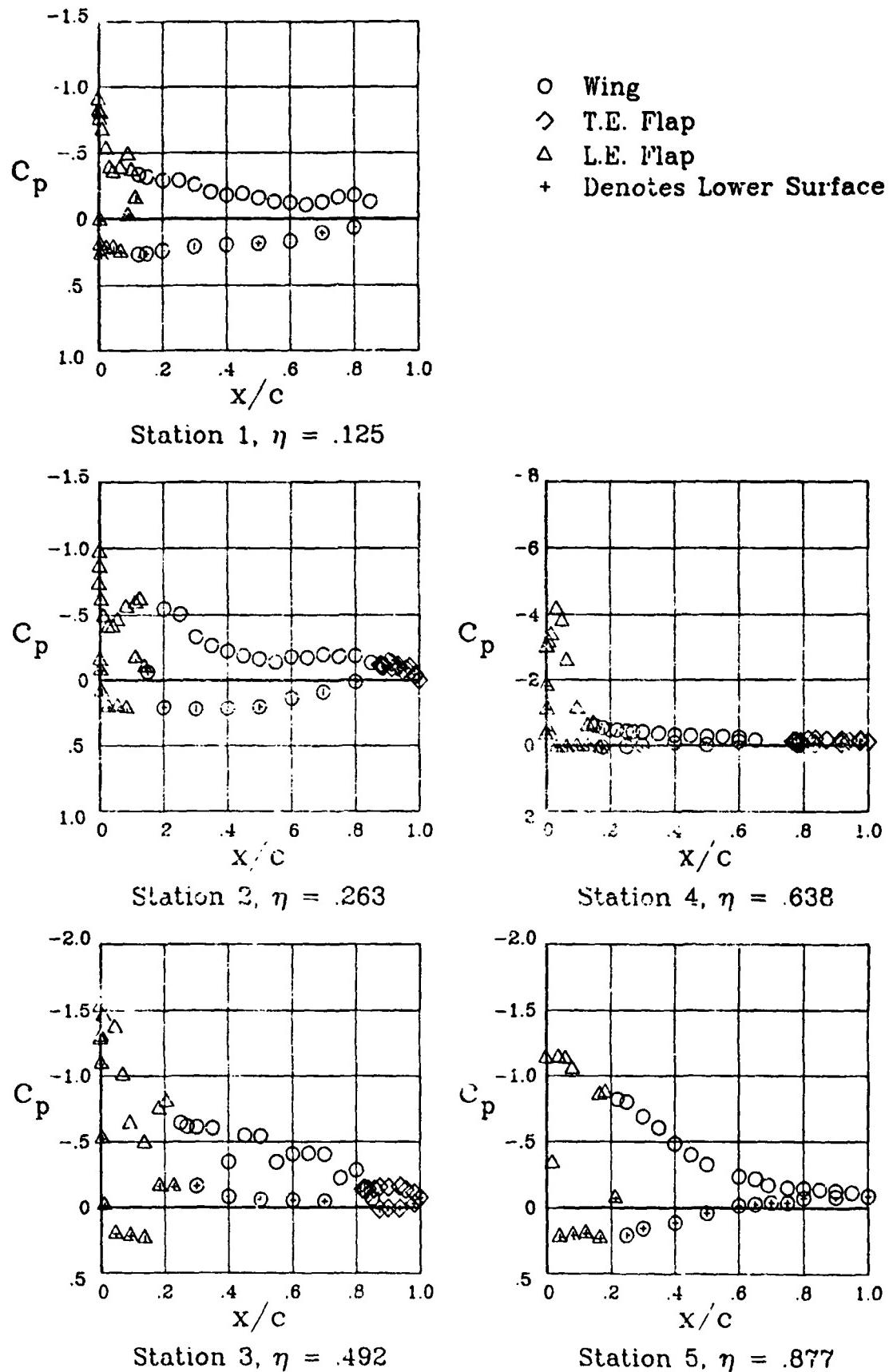
(g)  $\alpha = 7.02$

Figure 8. - Continued.



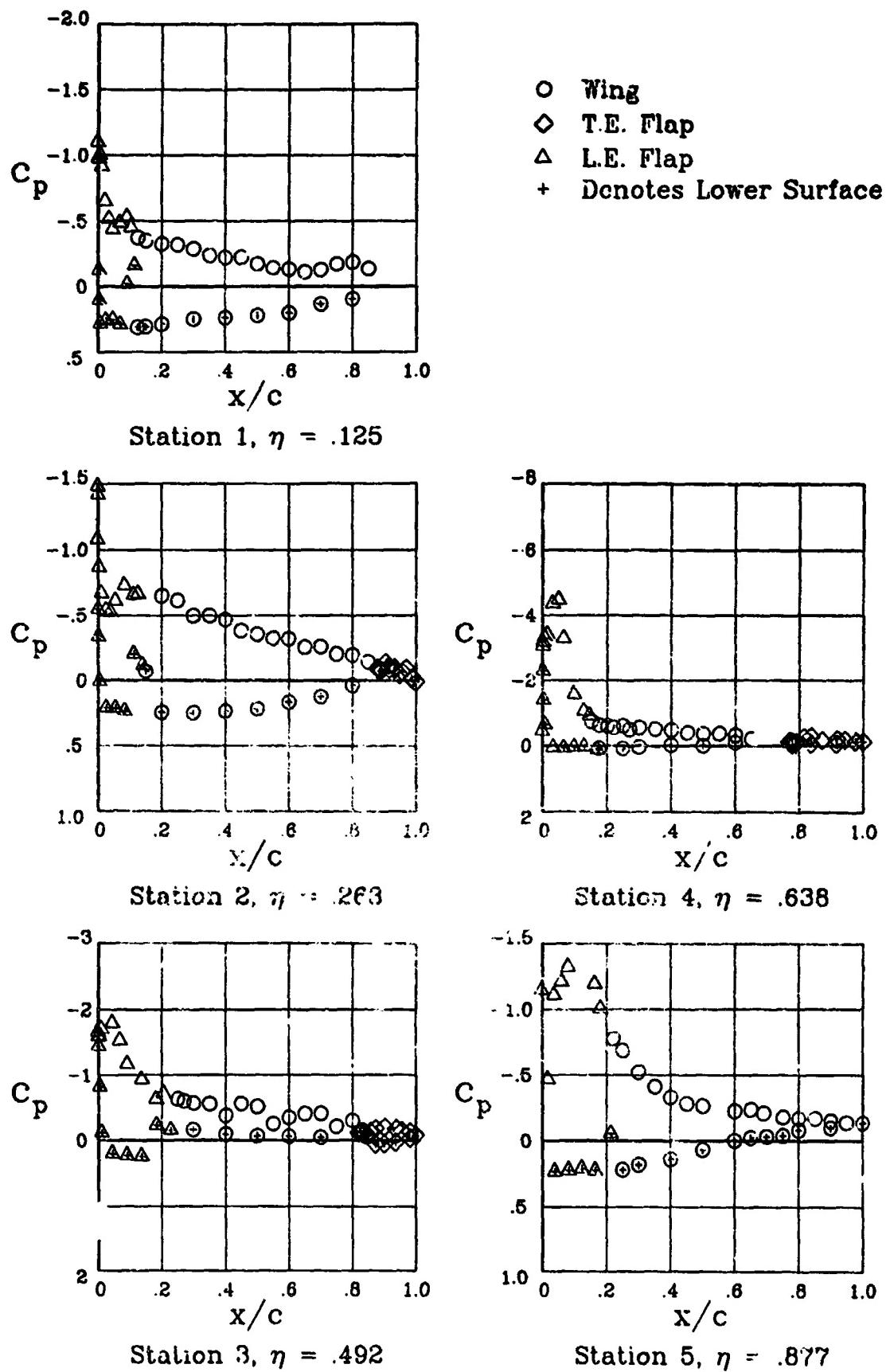
(h)  $a=8.99$

Figure 8.-Continued.



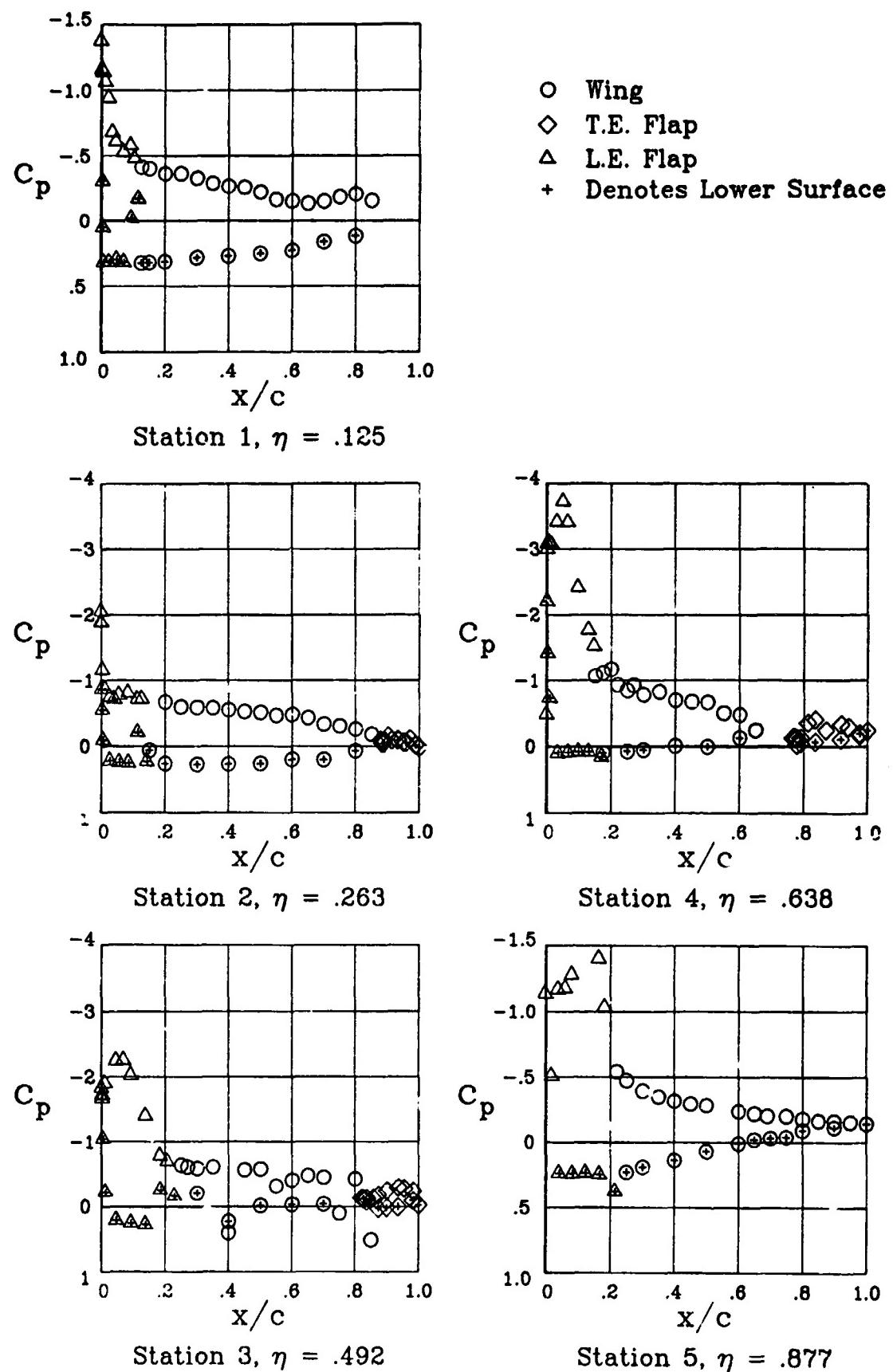
(i)  $\alpha = 11.08$

Figure 8. - Continued.



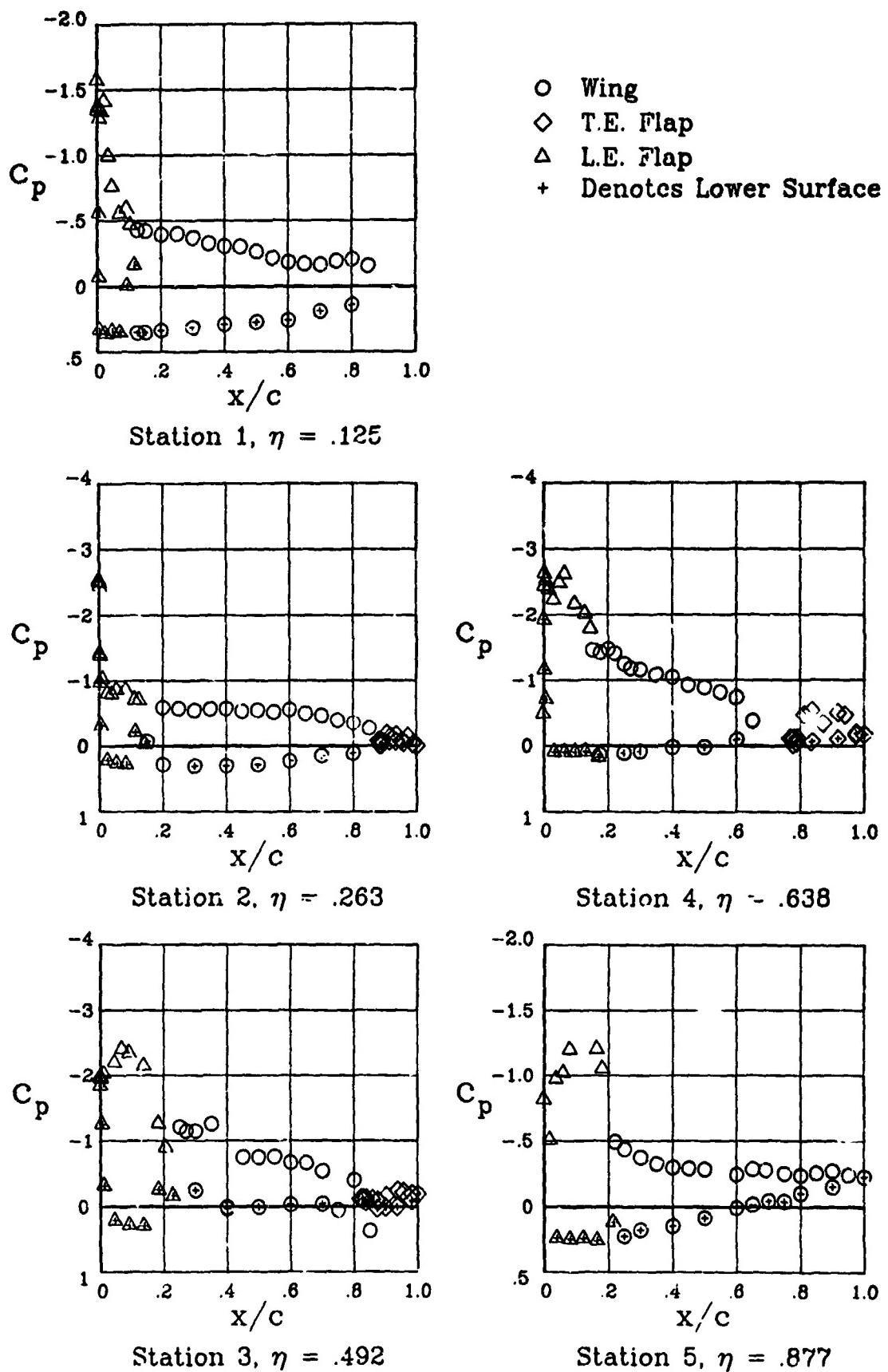
(j)  $a=13.11$

Figure 8. - Continued.



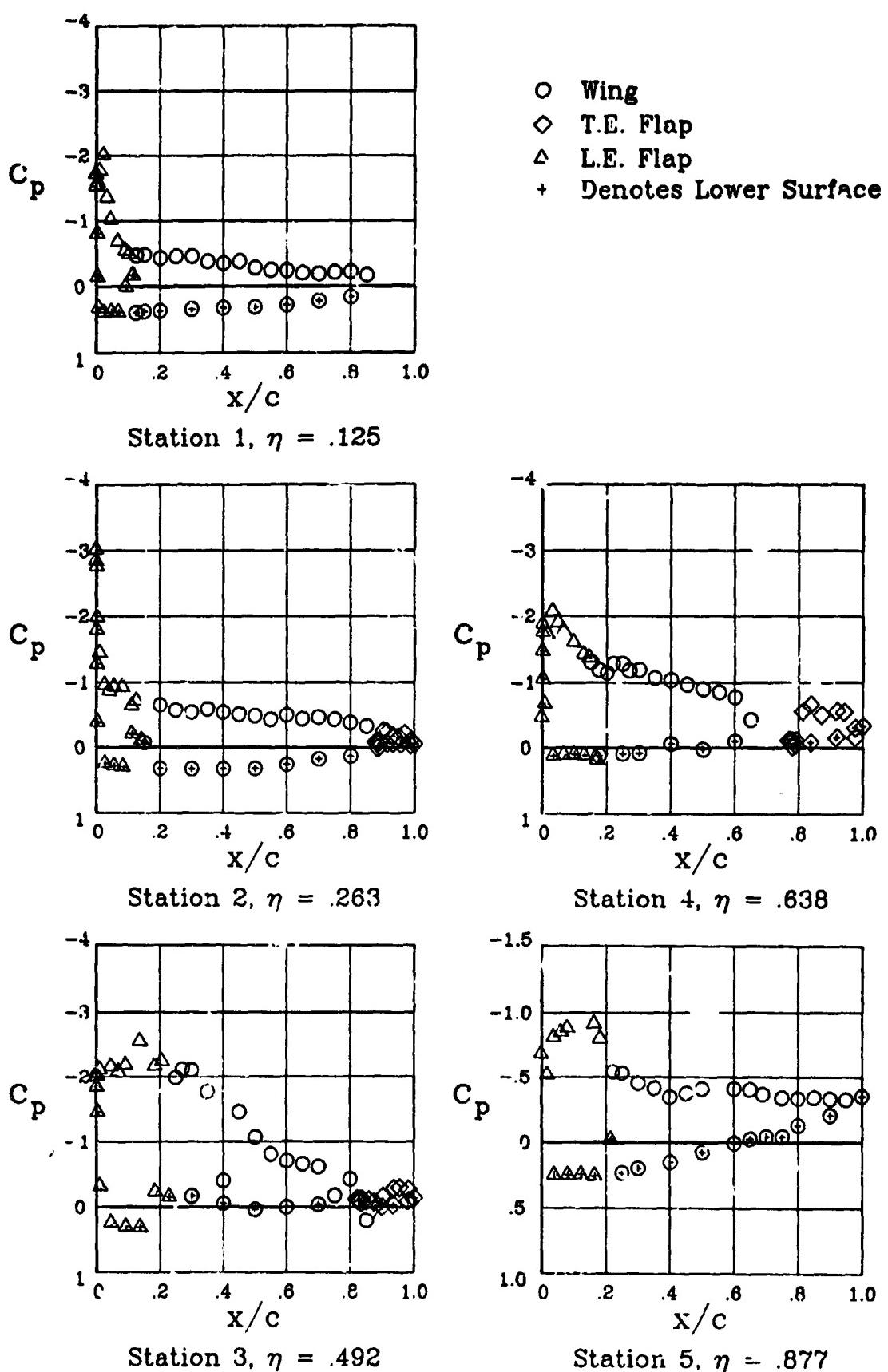
(K)  $\alpha = 15.07$

Figure 8. - Continued.



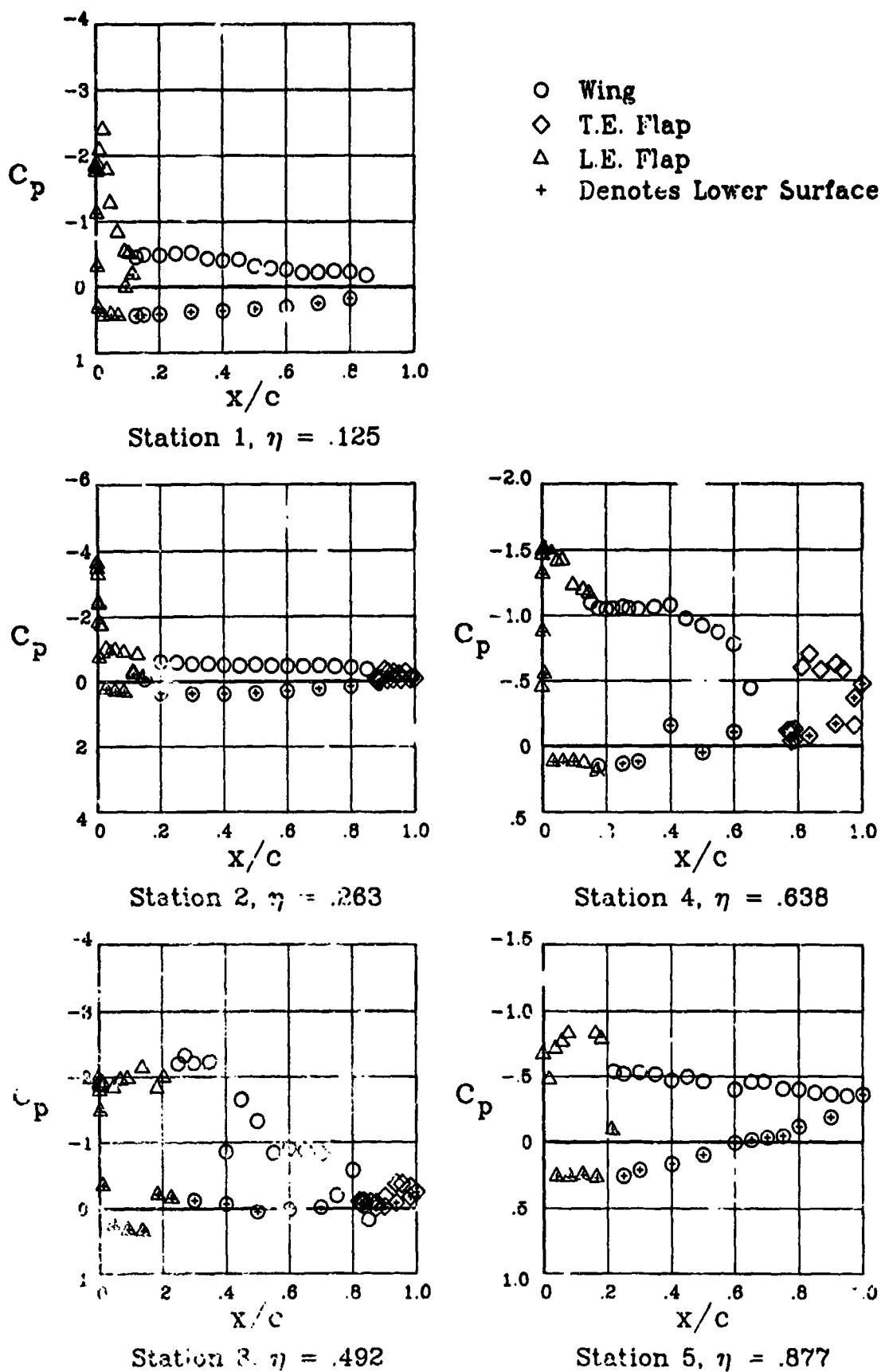
(II)  $\alpha=17.04$

Figure 8. - Continued.



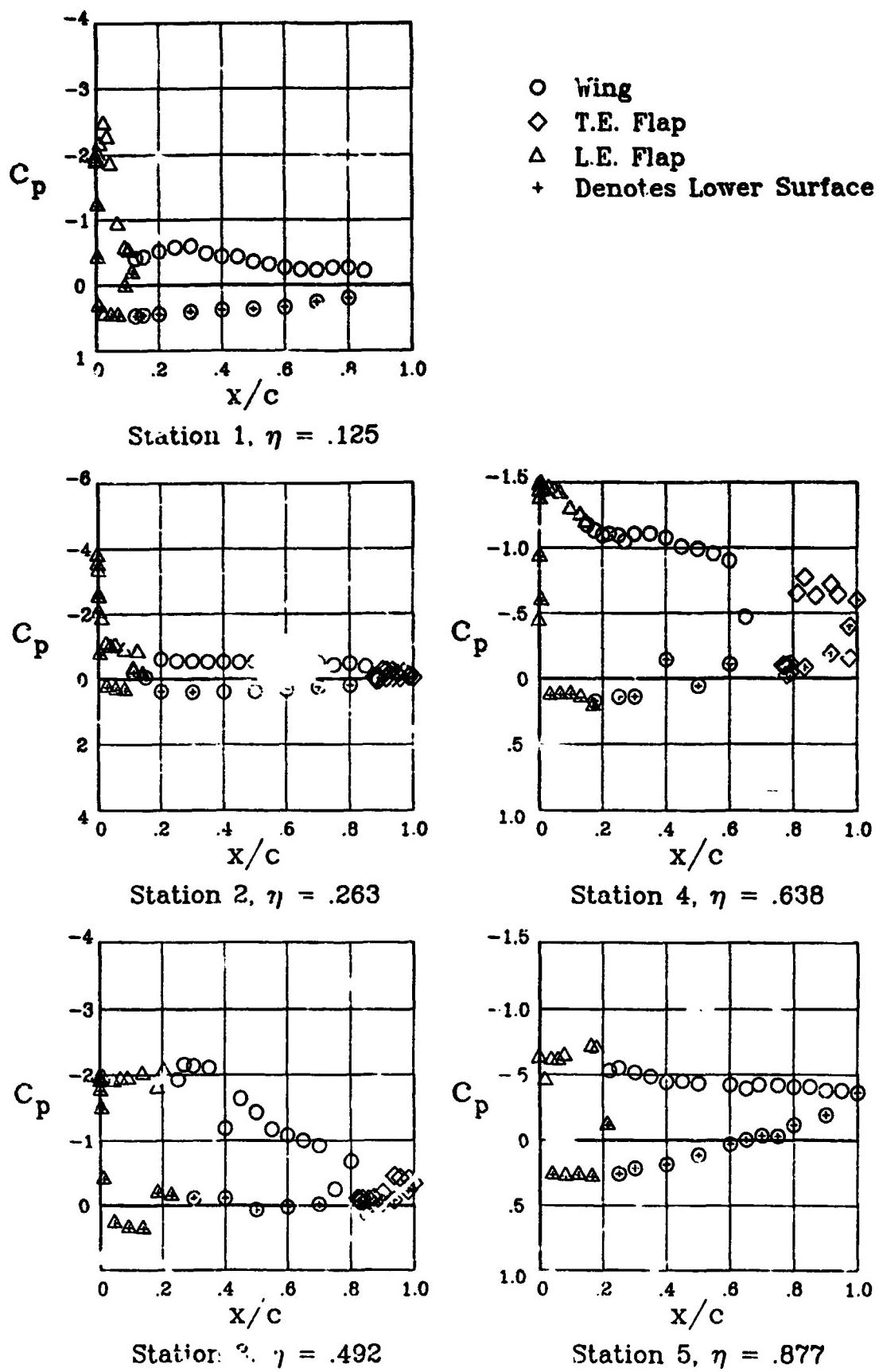
(m)  $\alpha = 18.99$

Figure 8. - Continued.



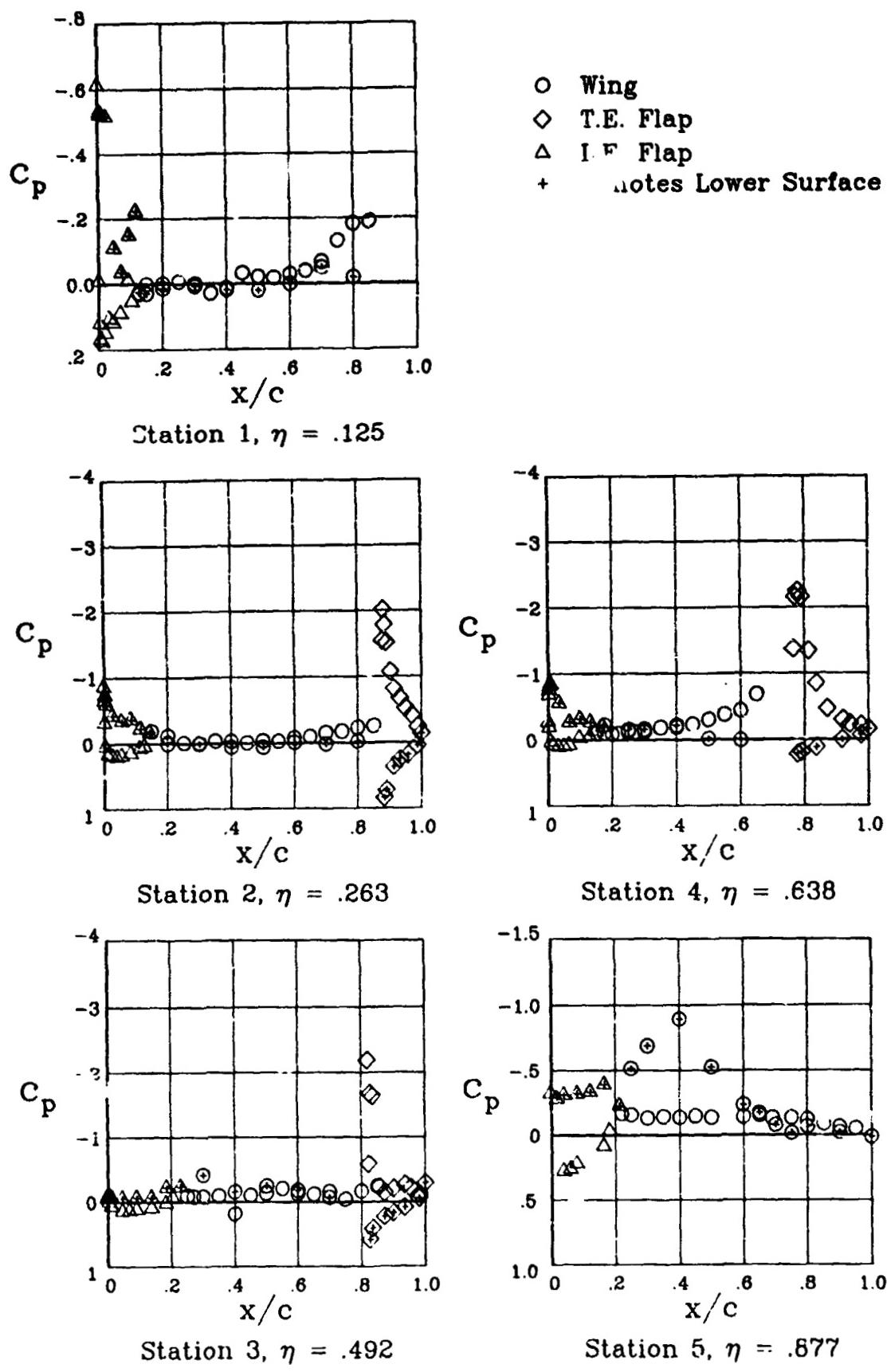
(n)  $\alpha = 20.90$

Figure 8. - Continued.



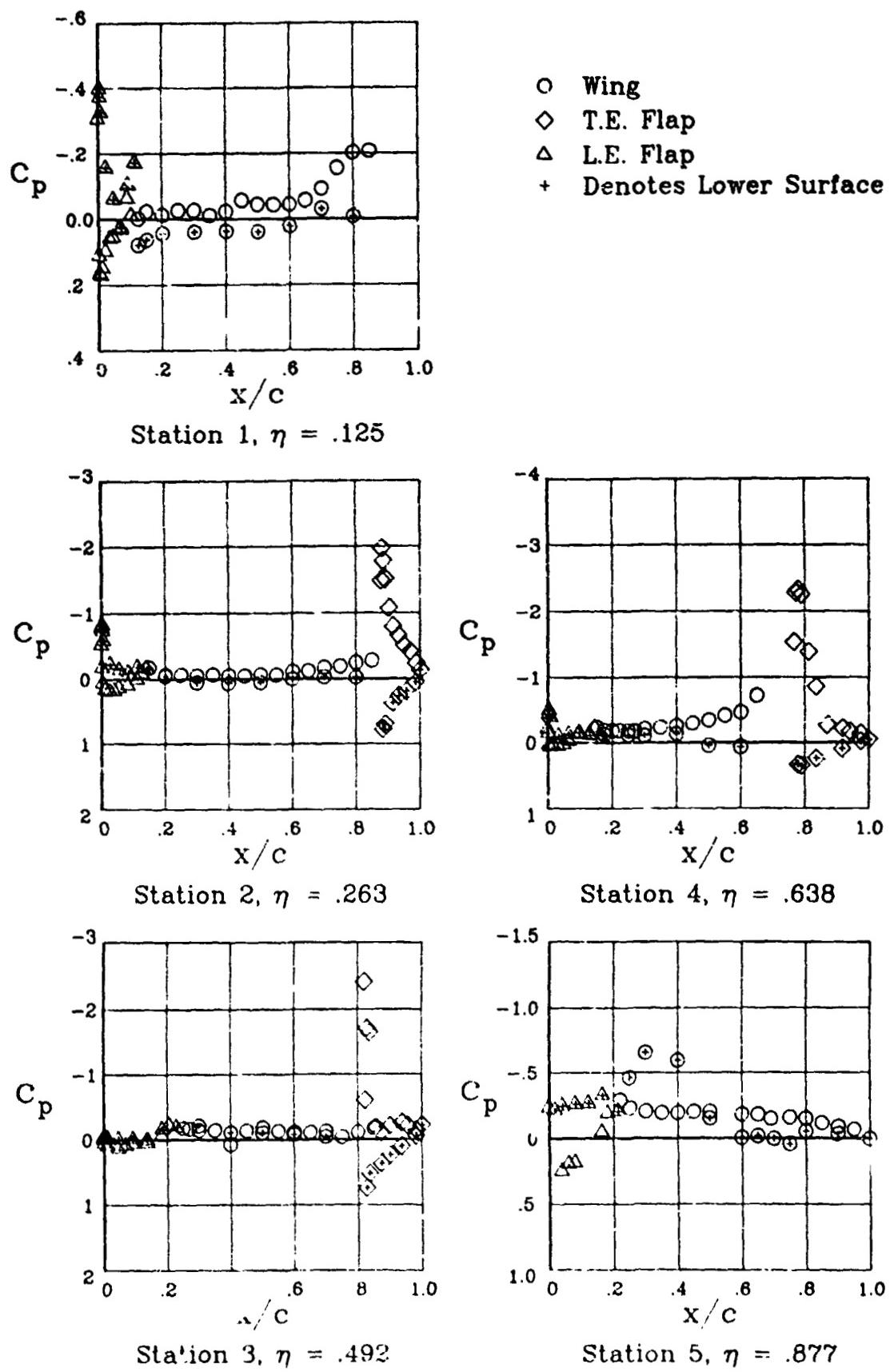
(o)  $\alpha = 22.72$

Fig. 8. - Concluded.



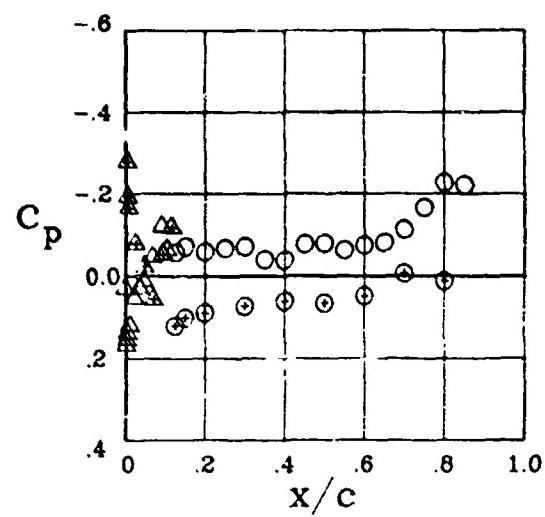
(a)  $\alpha = -5.19^\circ$

Figure 9. - Pressure distributions. ( $\delta_f, \delta_e$ )<sub>1,2,3,4,5,6</sub> = 13, 34, 35, 35, 19, 29.  $\delta_f, \delta_e = 30$ .



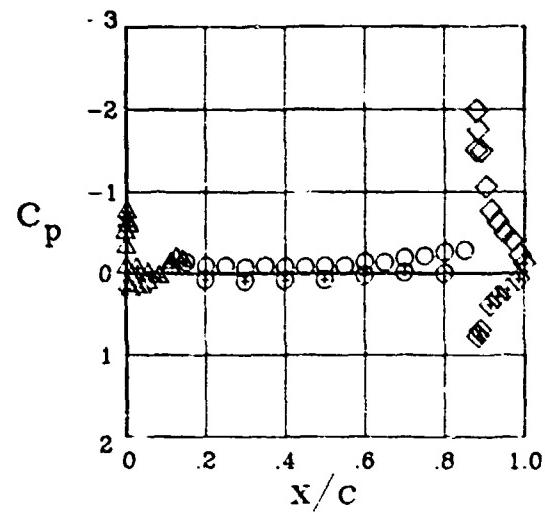
(b)  $\alpha = -3.23$

Figure 9. - Continued.

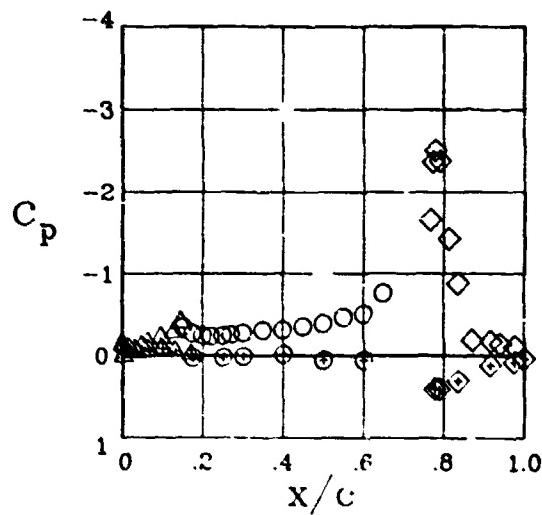


○ Wing  
 ◊ T.E. Flap  
 △ L.E. Flap  
 + Denotes Lower Surface

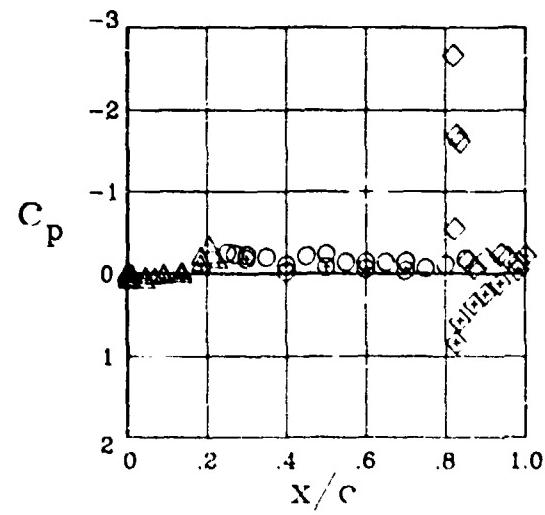
Station 1,  $\eta = .125$



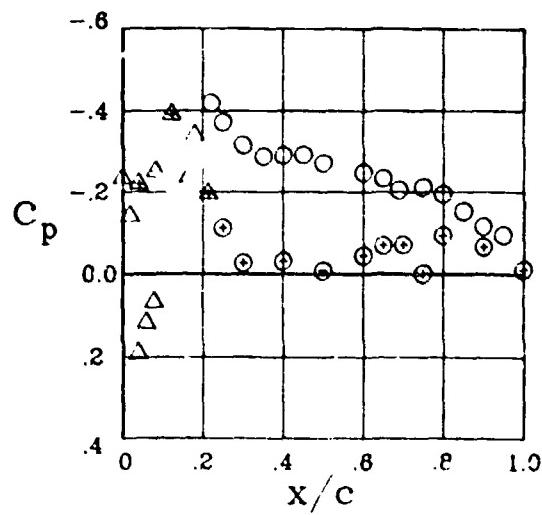
Station 2,  $\eta = .263$



Station 4,  $\eta = .638$



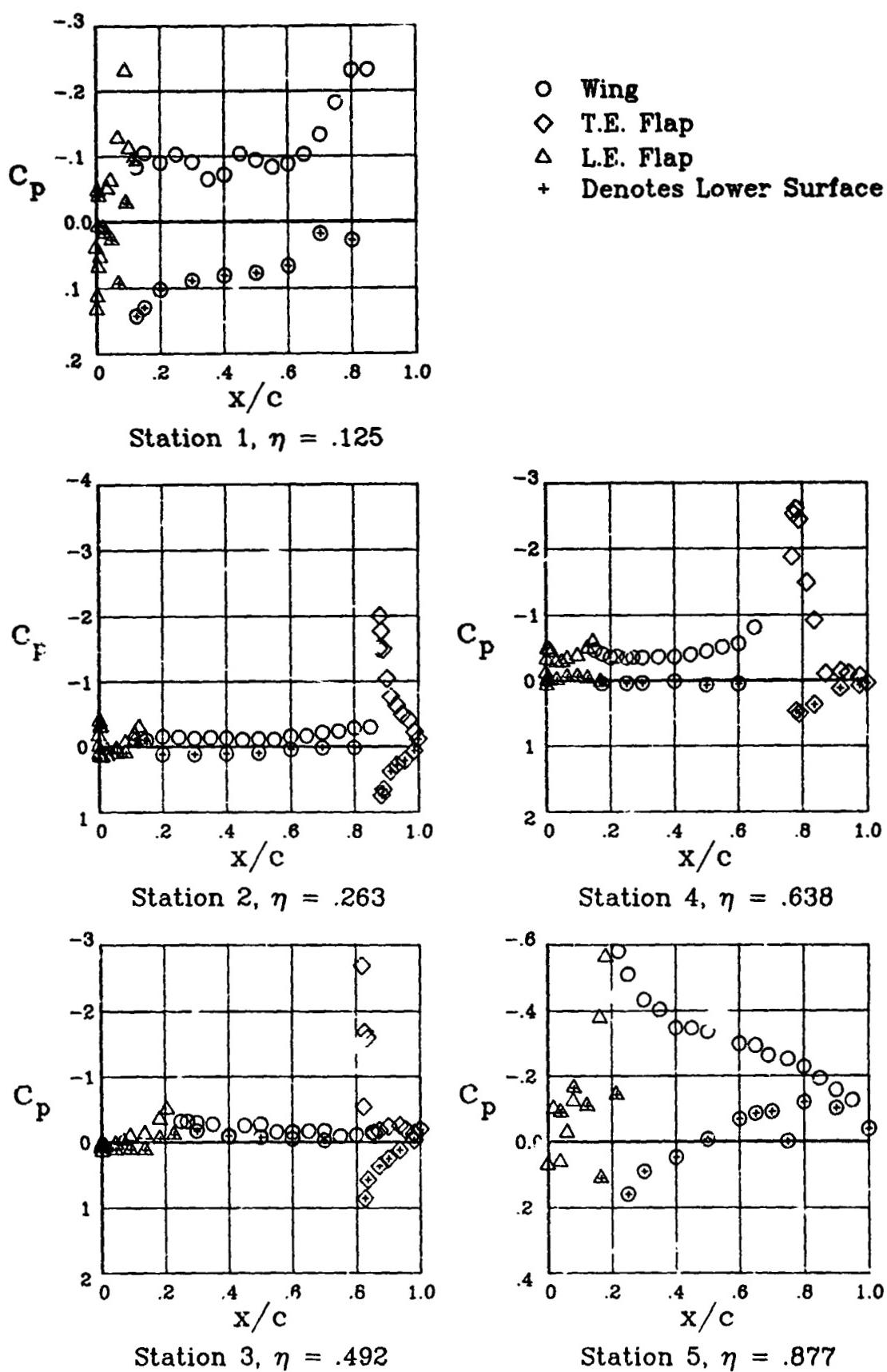
Station 3,  $\eta = .492$



Station 5,  $\eta = .877$

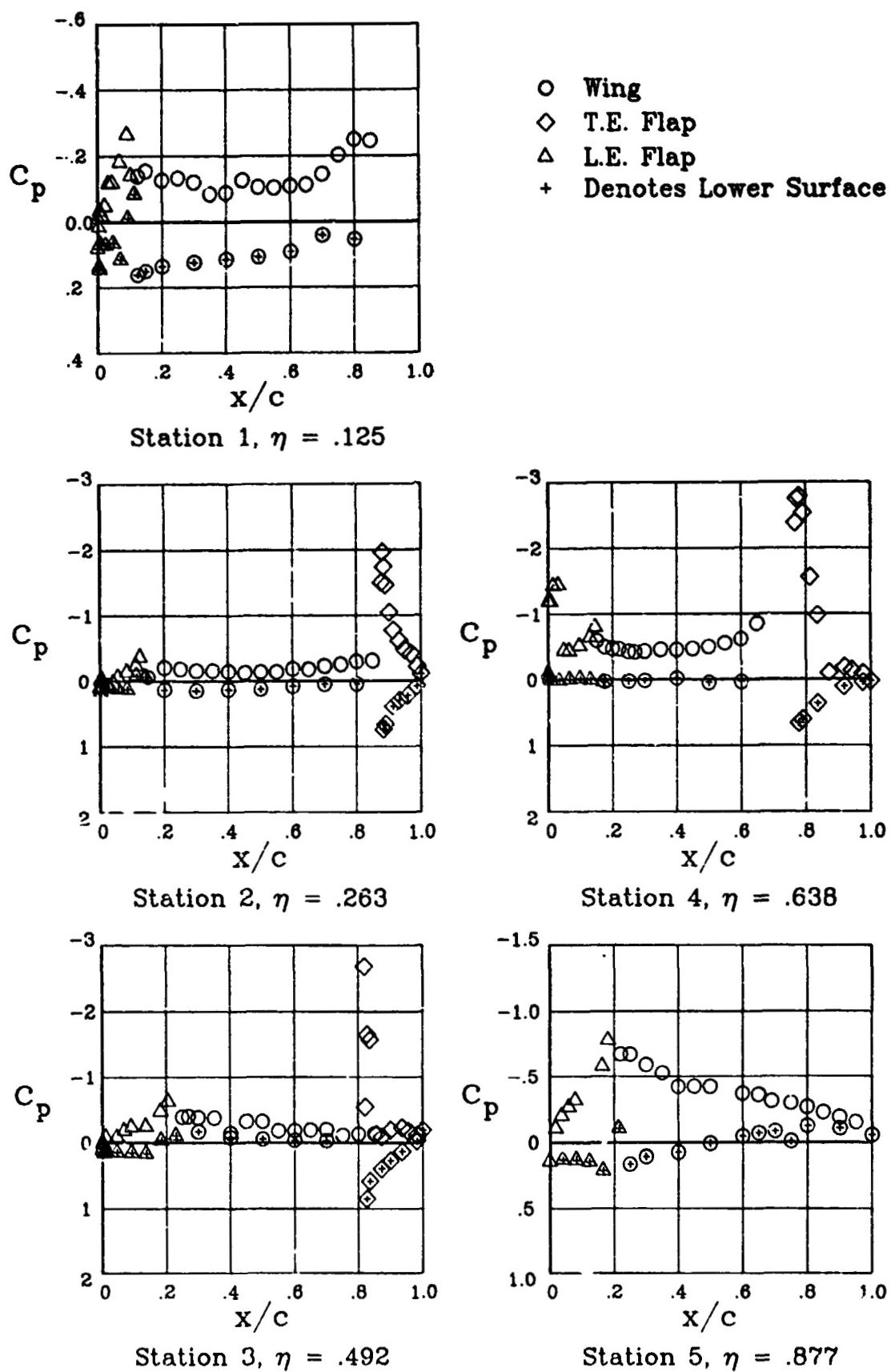
(c)  $a = -1.16$

Figure 9. - Continued.



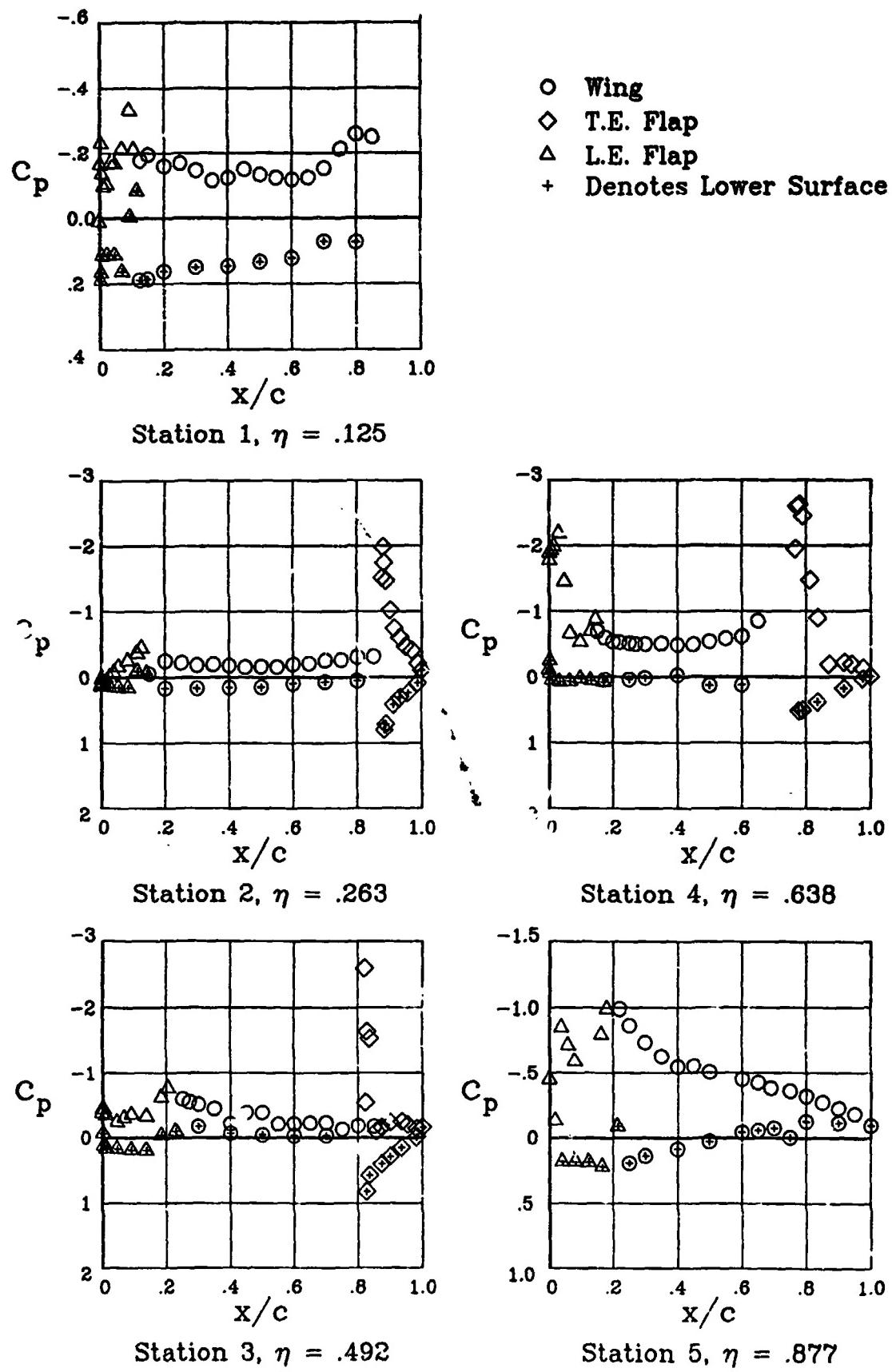
(d)  $\alpha = 0.88$

Figure 9. - Continued.



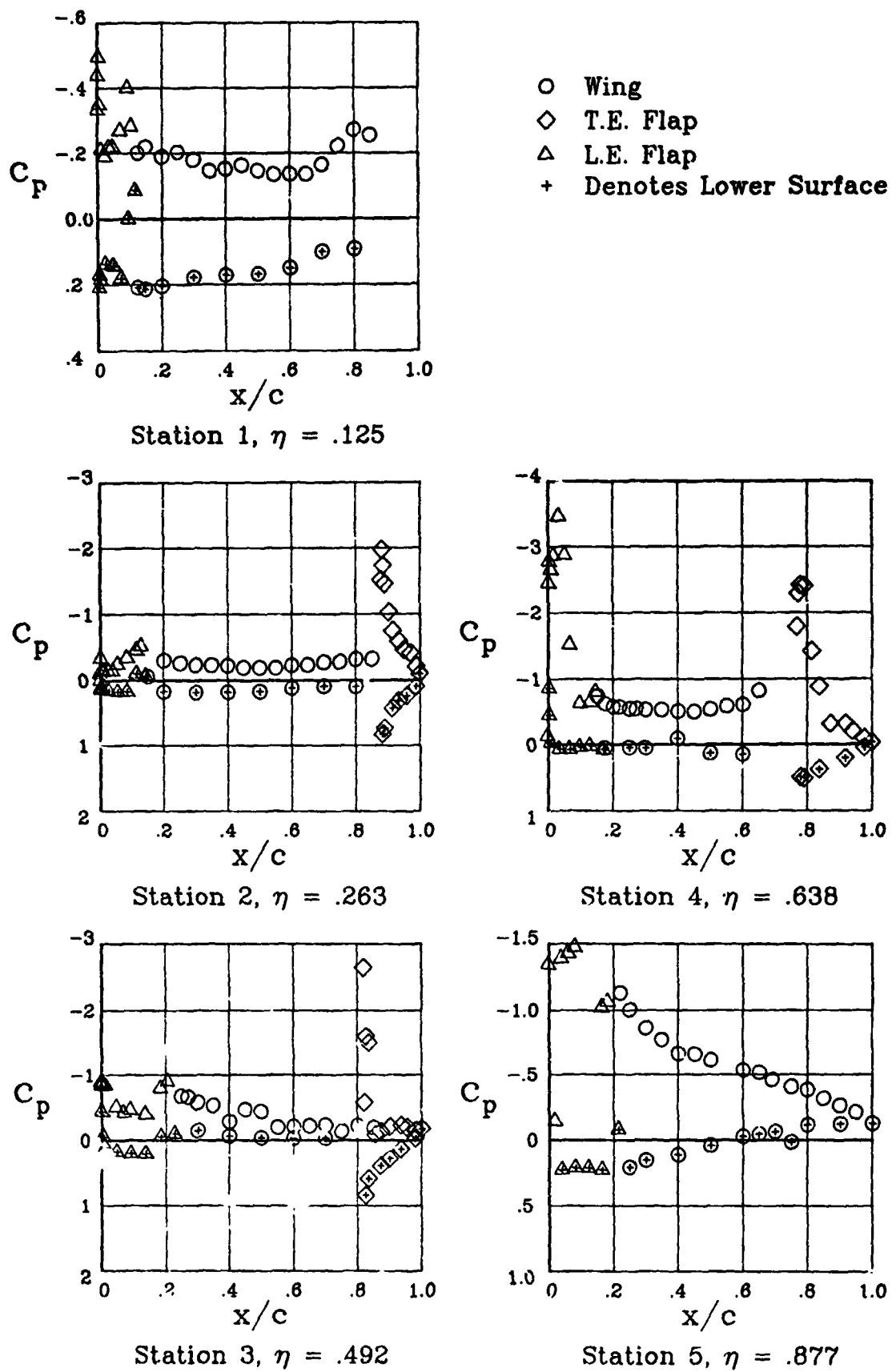
(e)  $\alpha = 2.94$

Figure 9. - Continued.



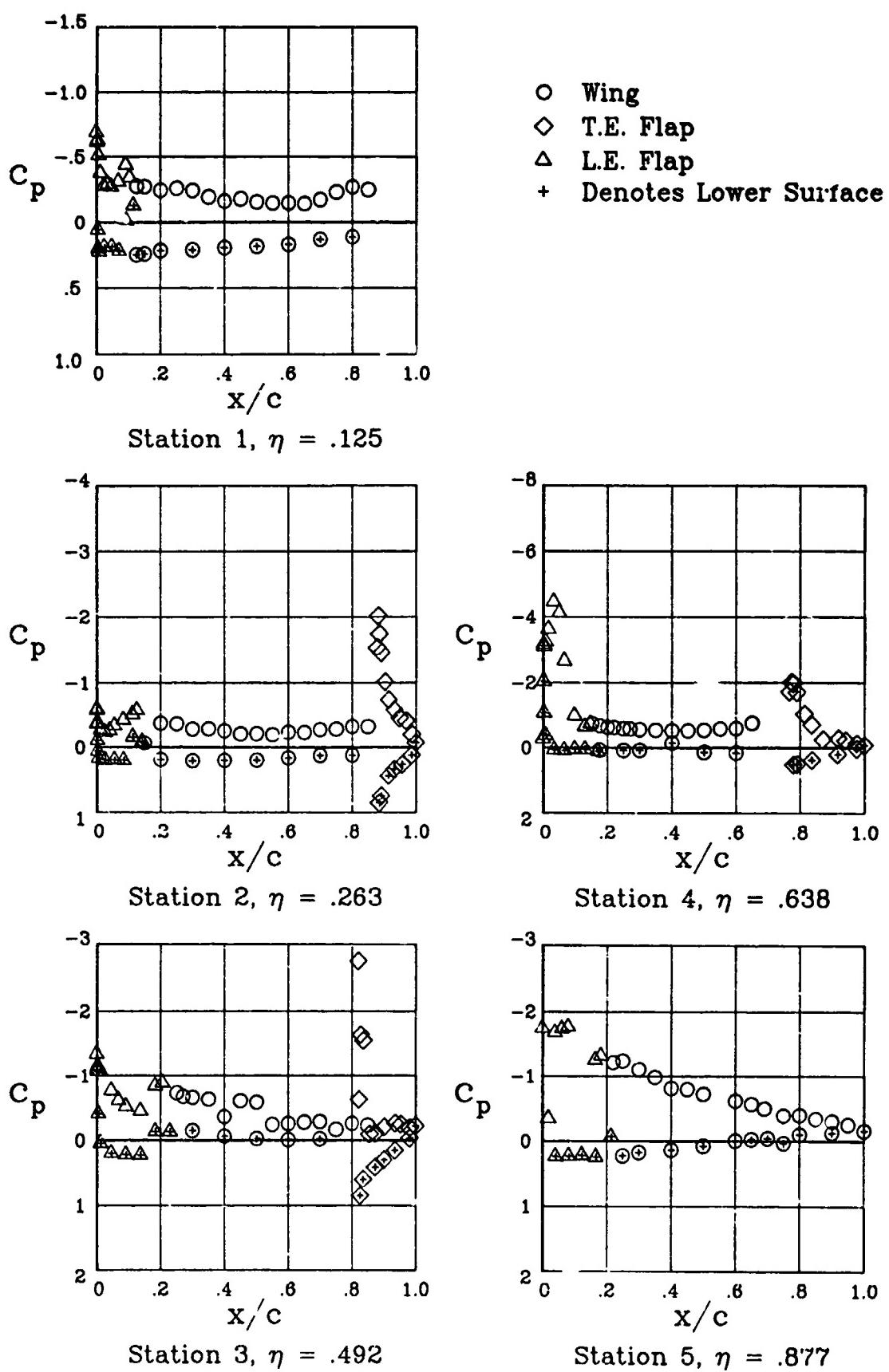
(f)  $\alpha = 4.99$

Figure 9. - Continued.



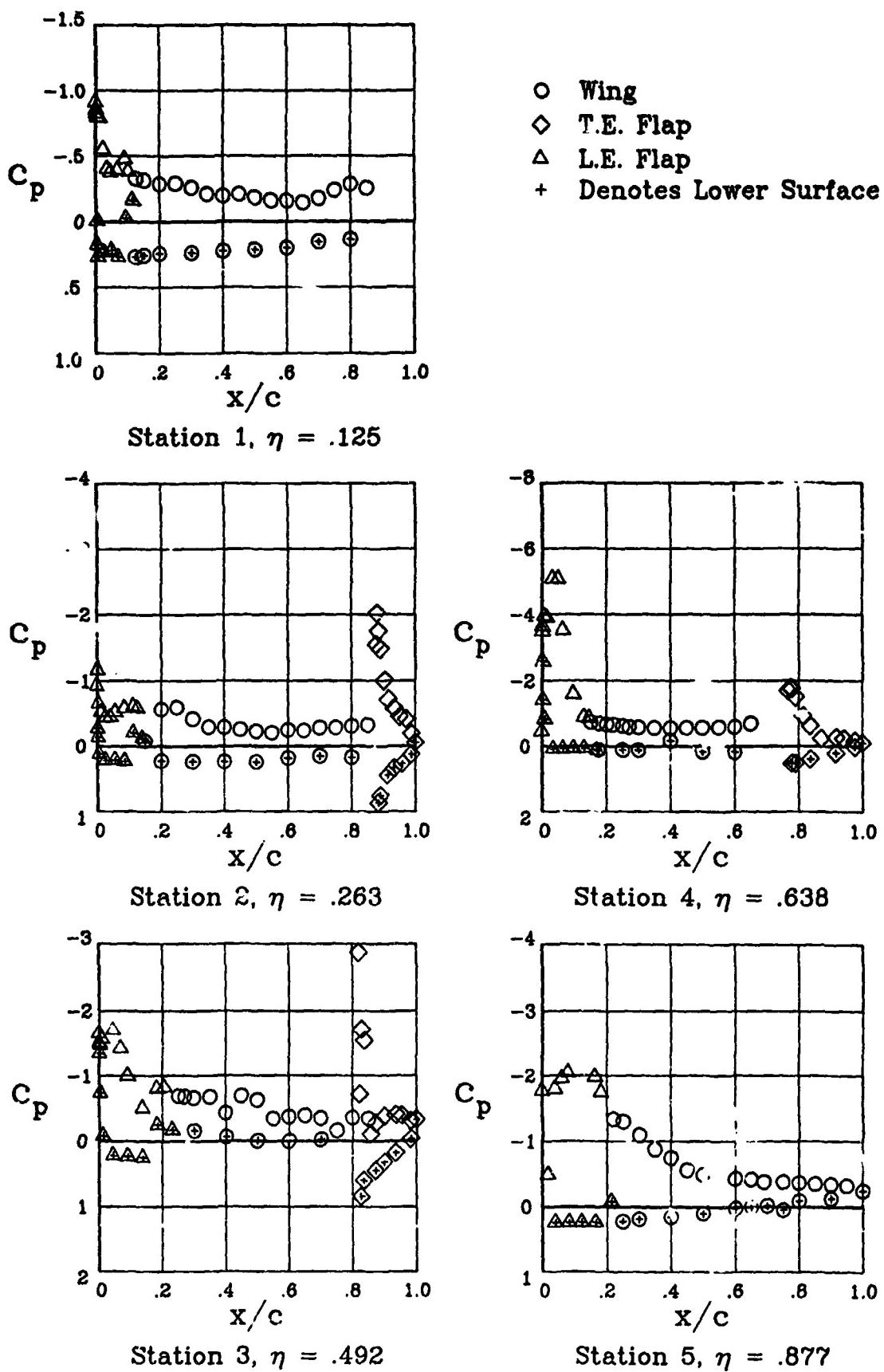
(g)  $\alpha = 6.94^\circ$

Figure 9. - Continued.



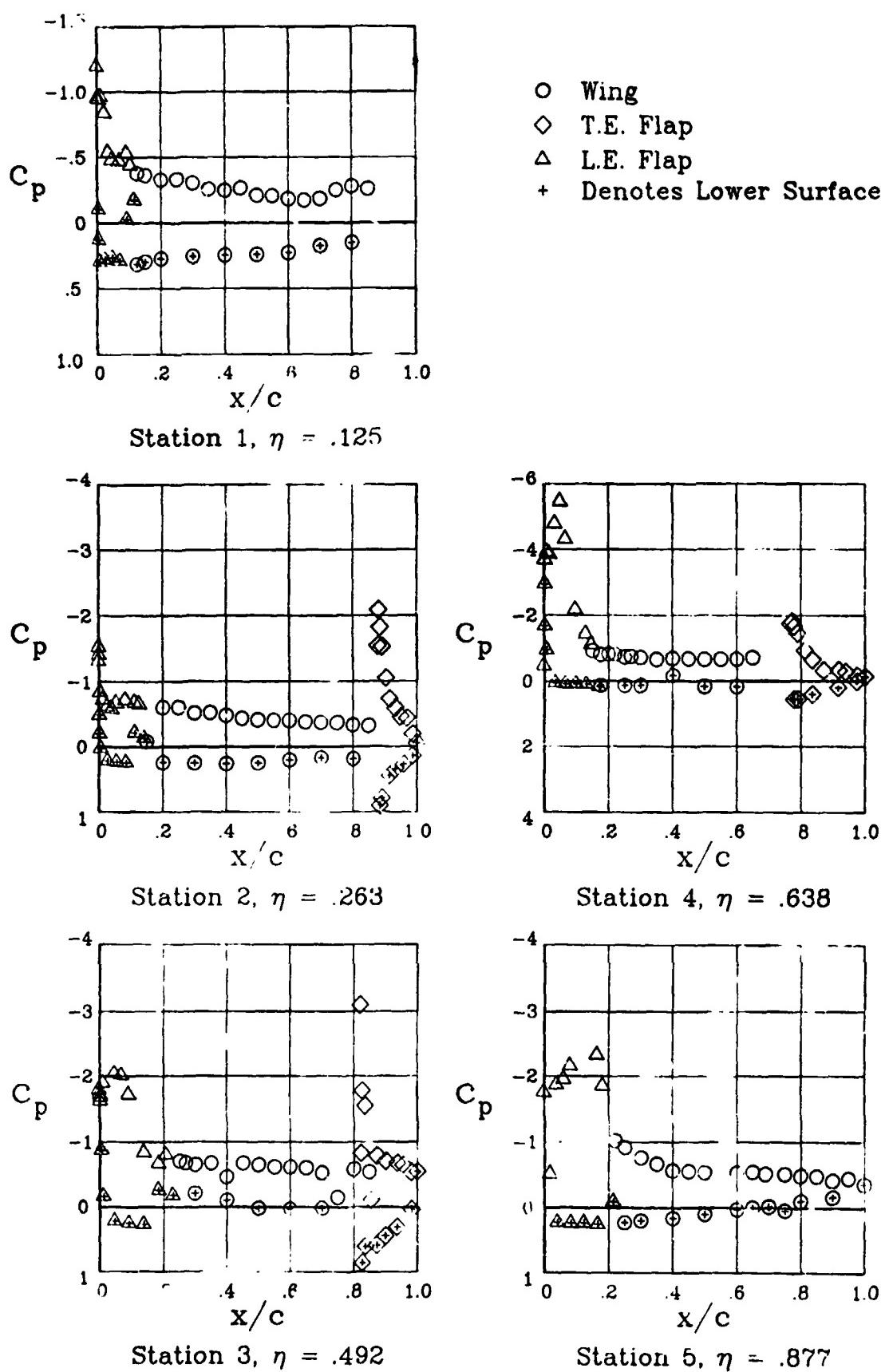
(h)  $\alpha = 8.99$

Figure 9. - Continued.



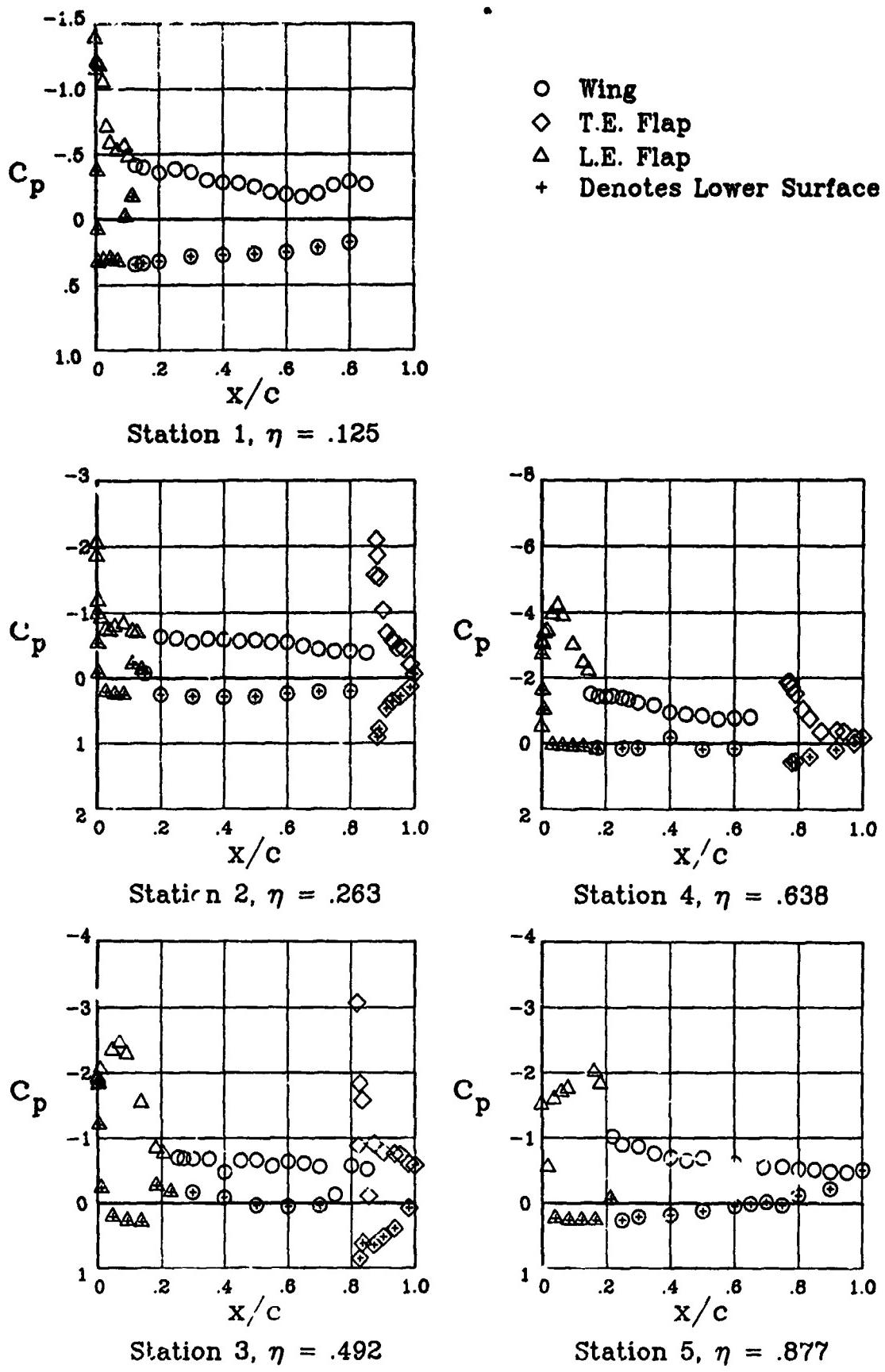
(i)  $\alpha=11.07$

Figure 9. - Continued.



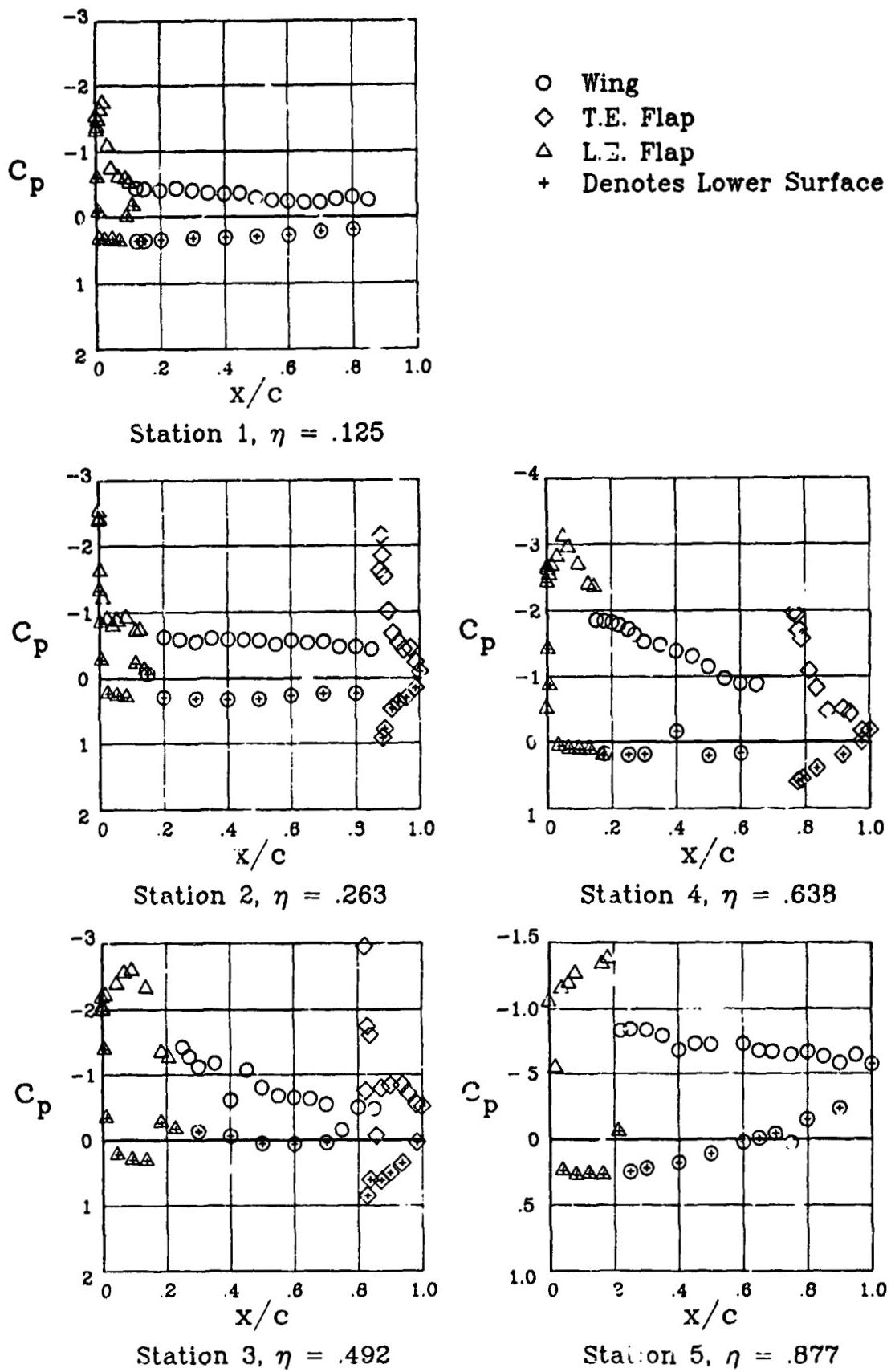
(j)  $\alpha = 13.09$

Figure 9. - Continued.



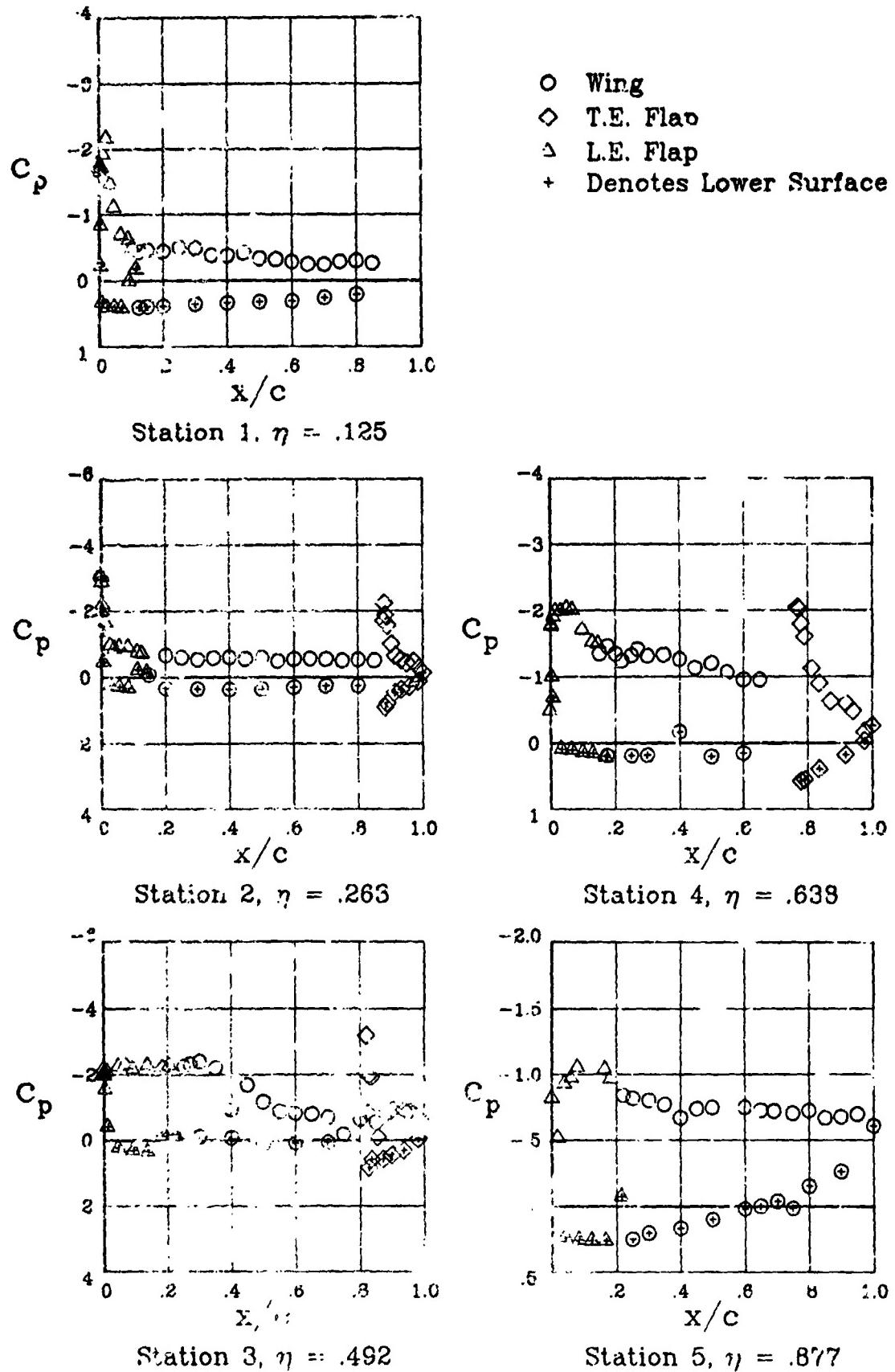
(k)  $\alpha = 15.02$

Figure 9. - Continued.



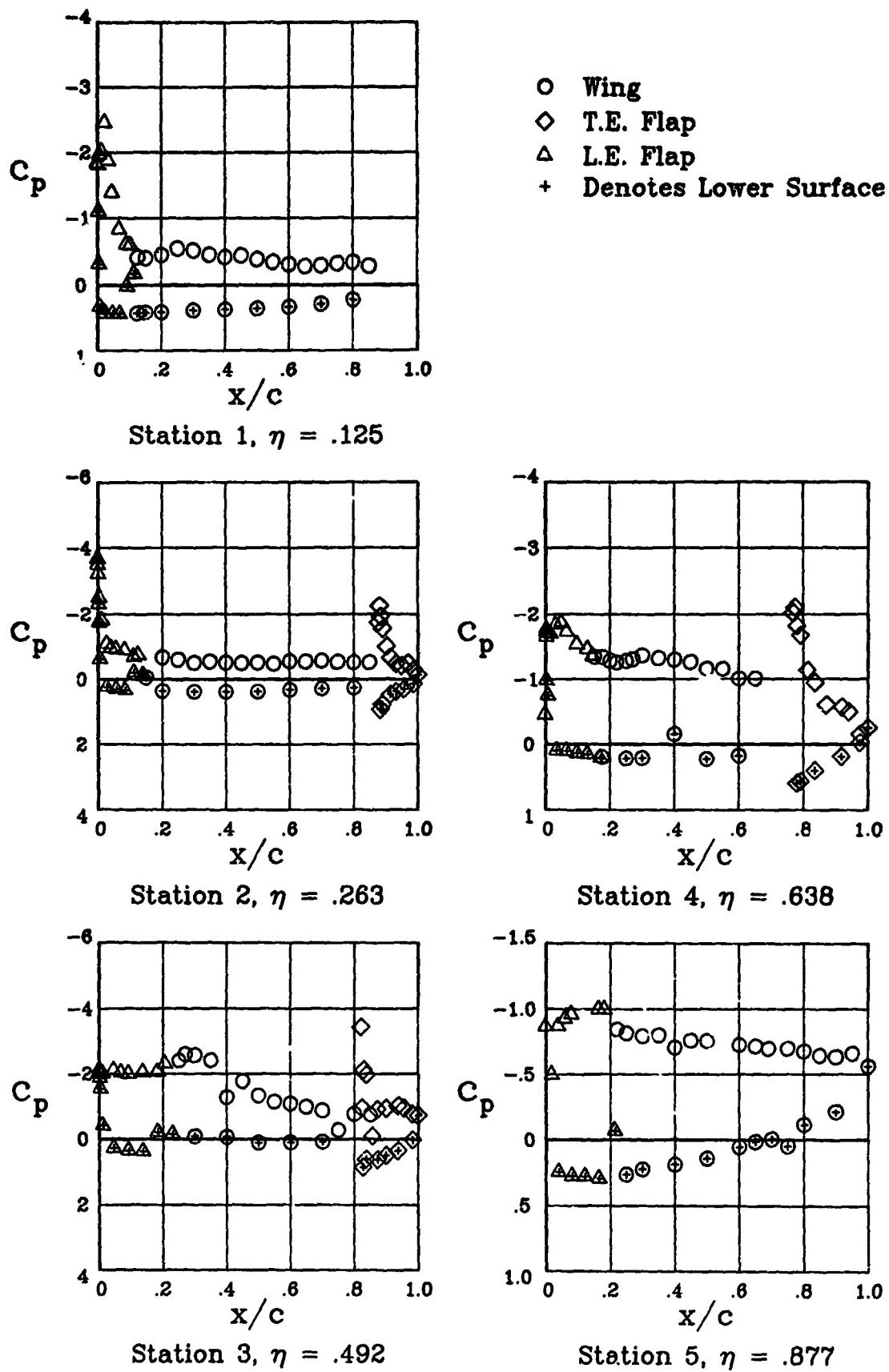
(II)  $\alpha = 17^{\circ} 00'$

Figure 9. - Continued.



(m)  $\alpha = 18.99$

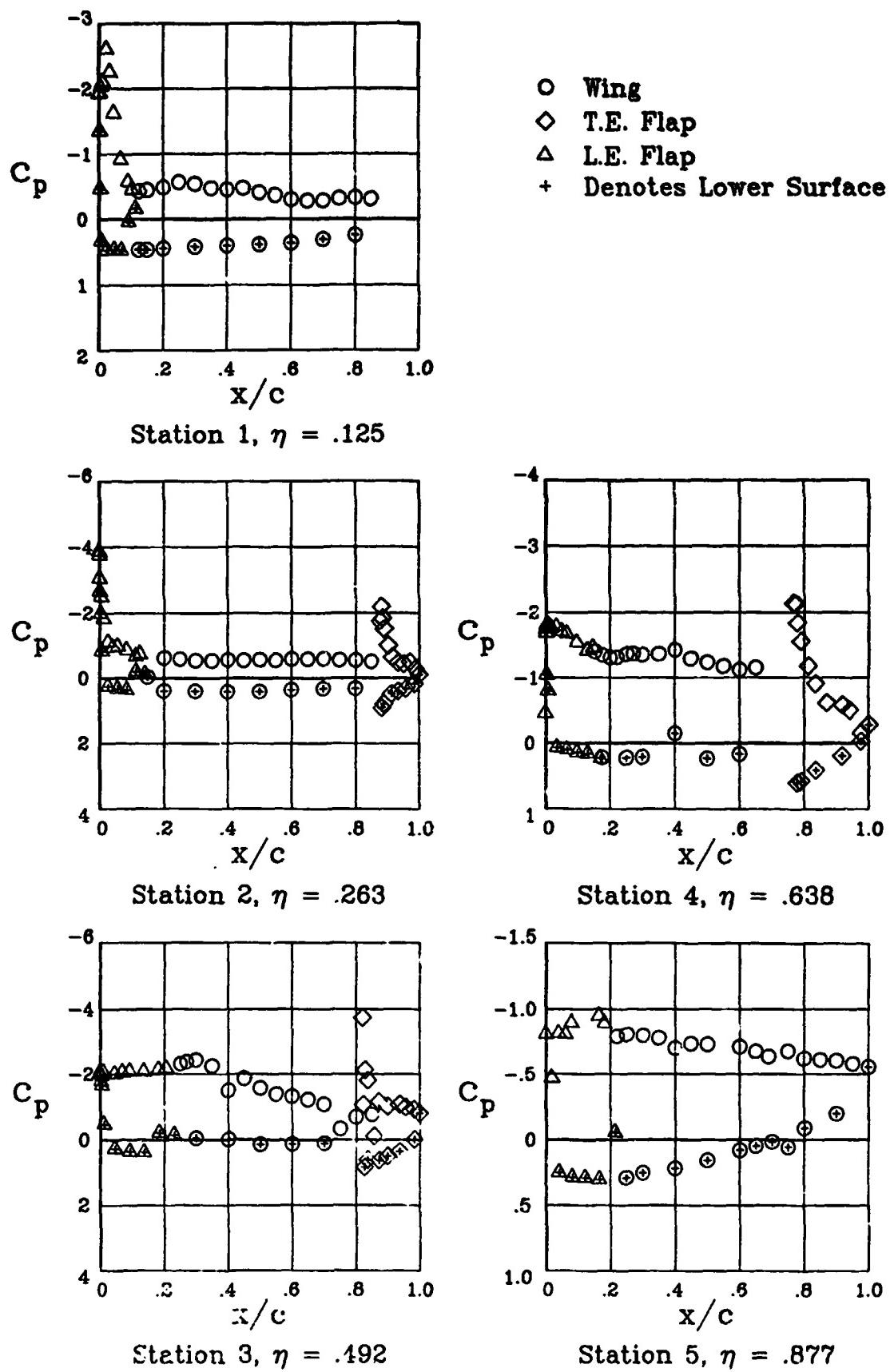
Figure 9. - Continued.



(n)  $\alpha = 20.9^\circ$

2 - 2

Figure 9. - Continued.



(o)  $\alpha = 22.77$

Figure 9. - Concluded.

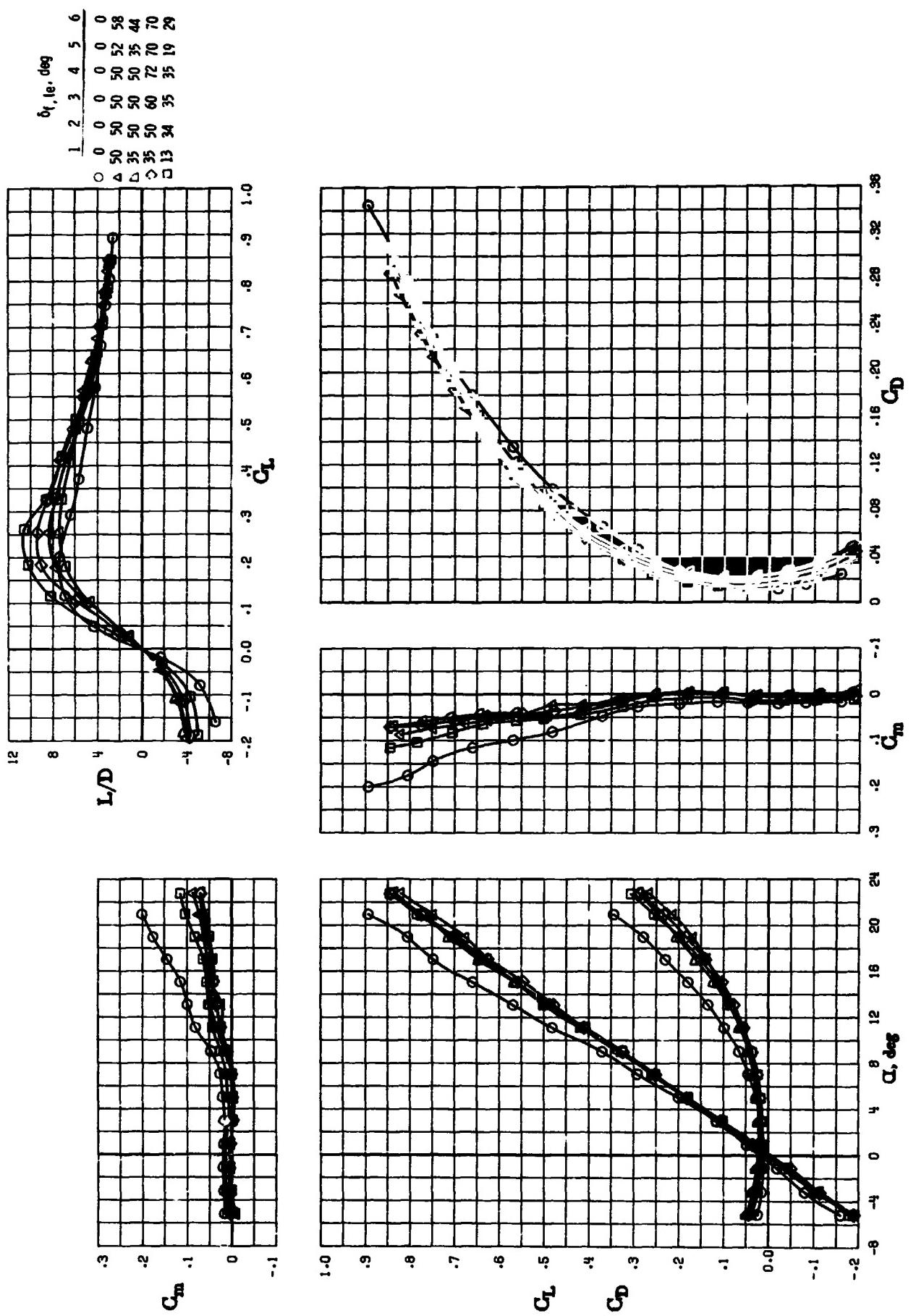
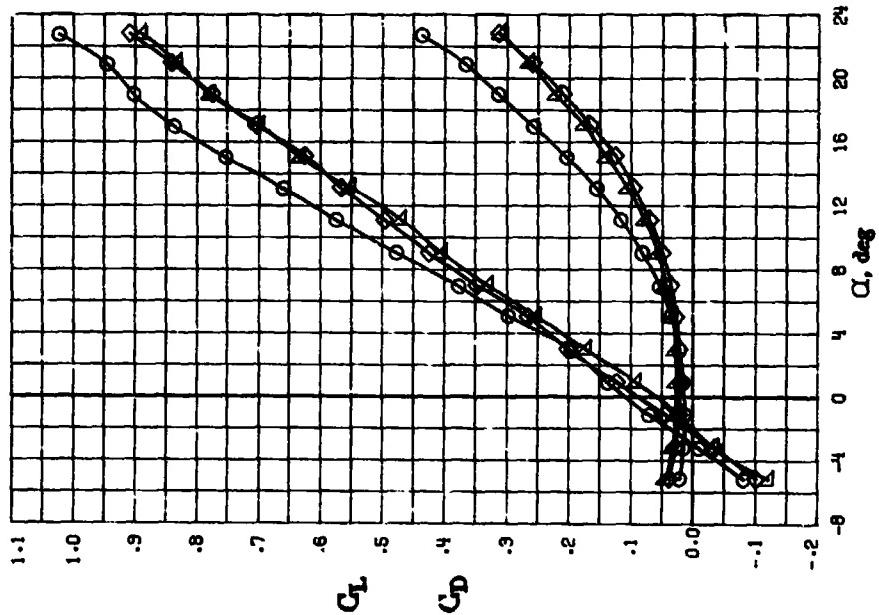
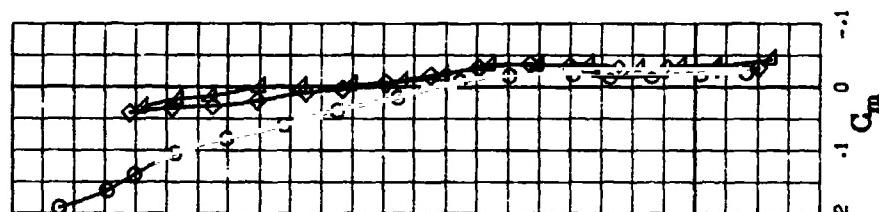
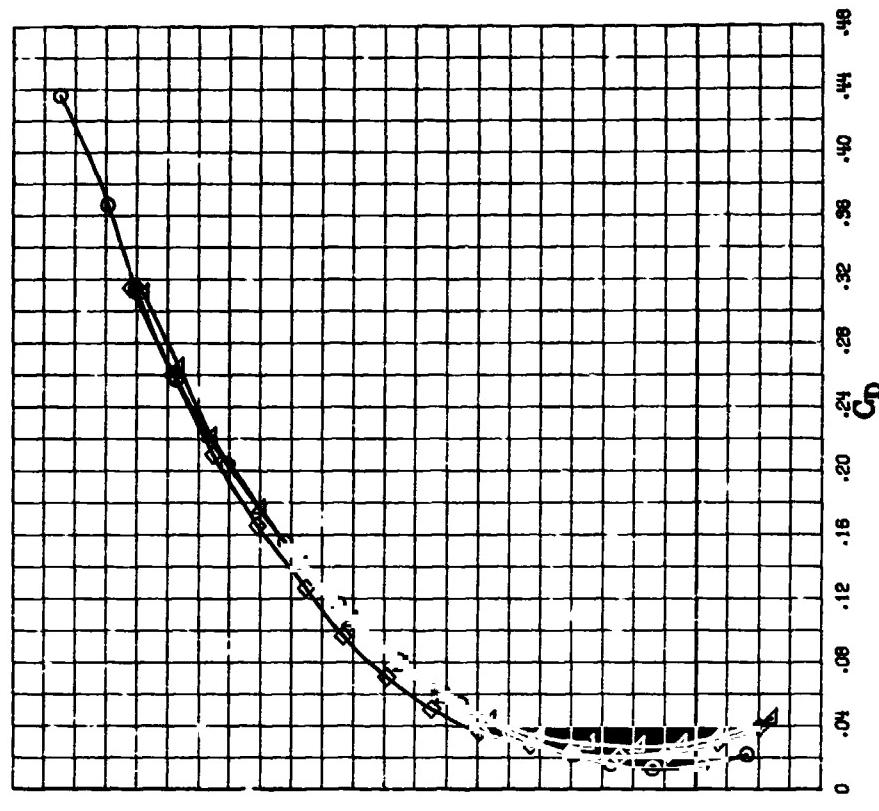
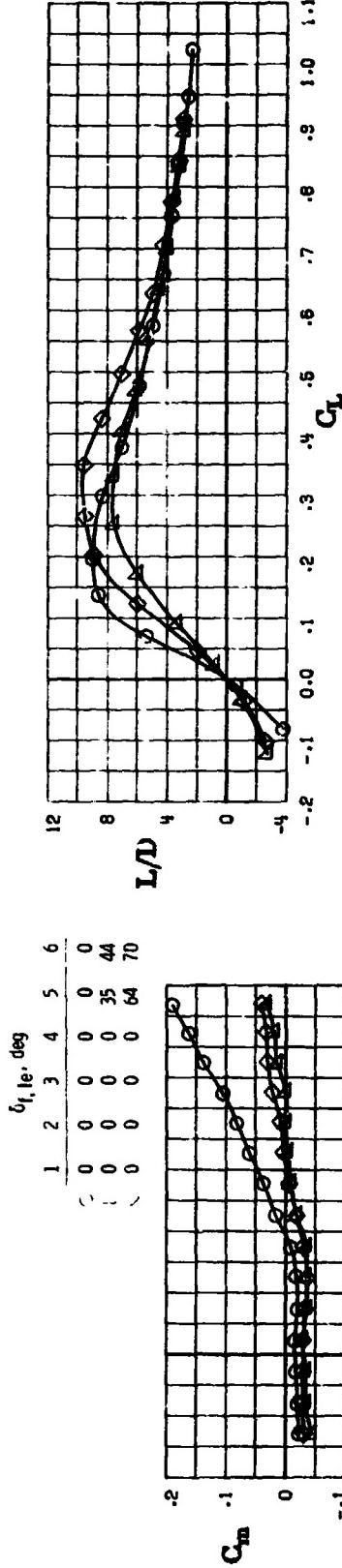


Figure 10. - Effect of leading-edge flap deflection on the longitudinal aerodynamic characteristics.  
 (a)  $\delta_f, \text{le} = 0^\circ$ .  
 Tail-off.  $\beta = 0^\circ$ .



(b)  $\alpha_{l, te} = 10^\circ$

Figure 10. - Continued.

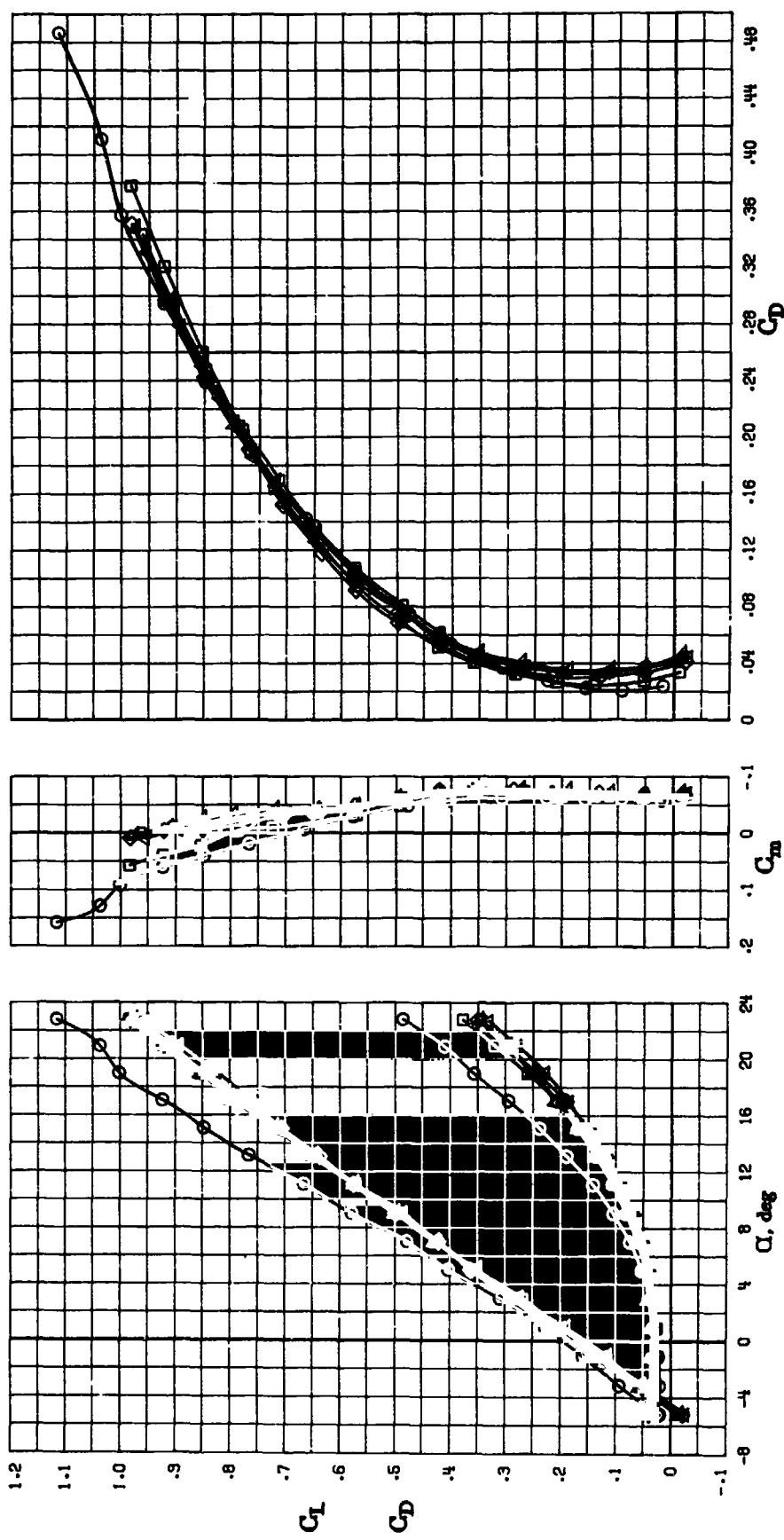
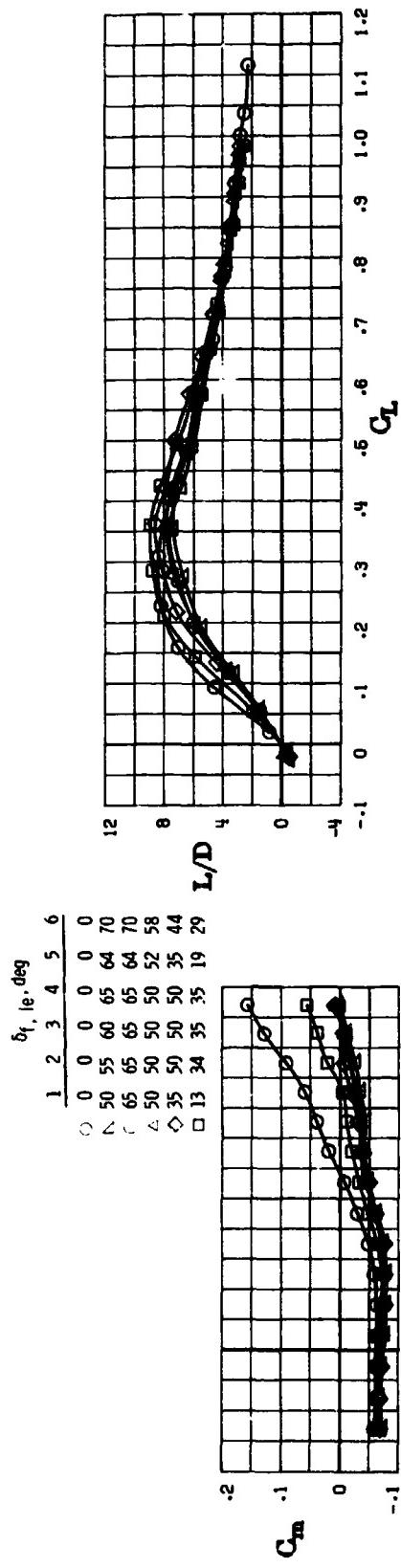
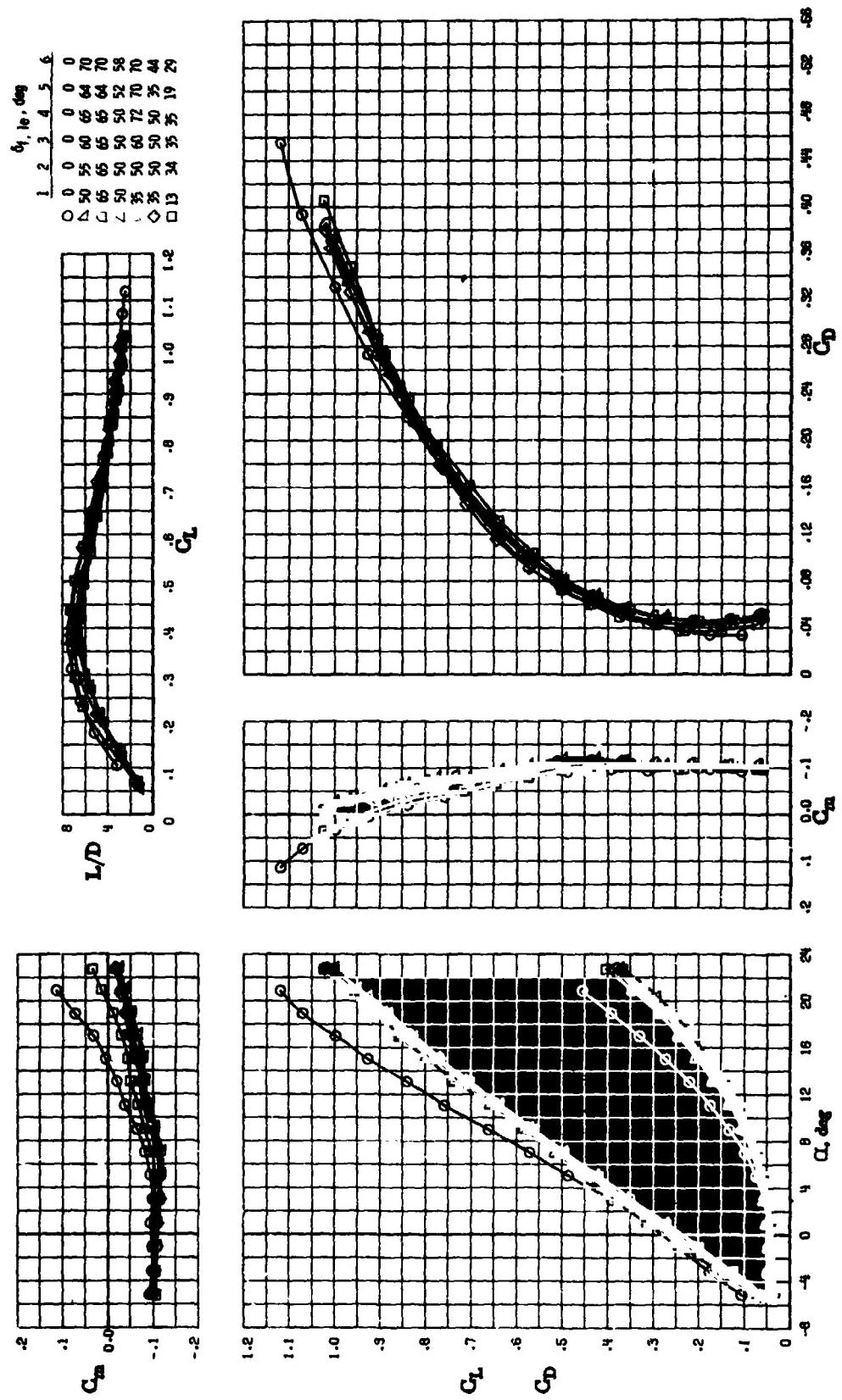
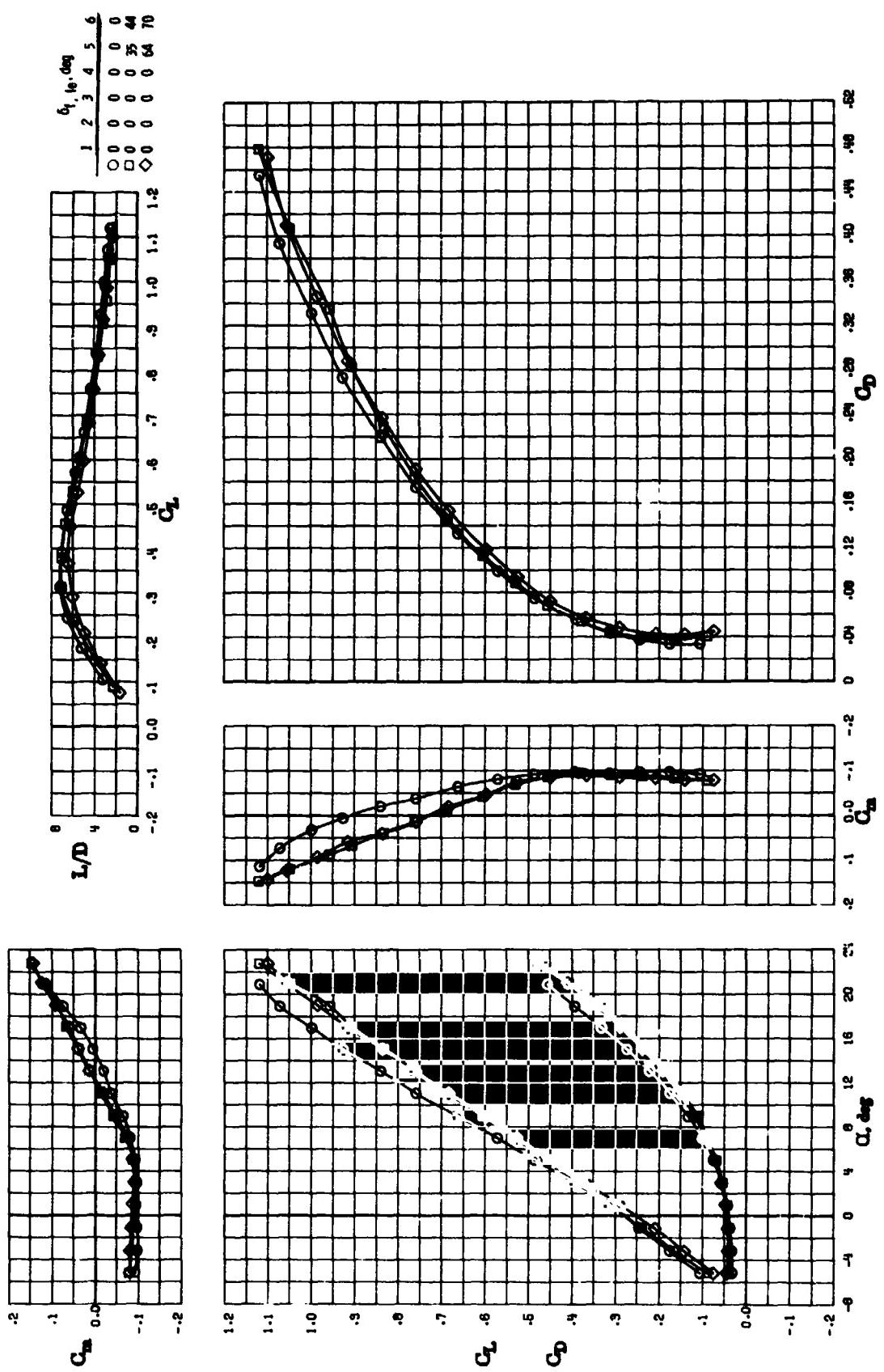


Figure 10. -Continued.



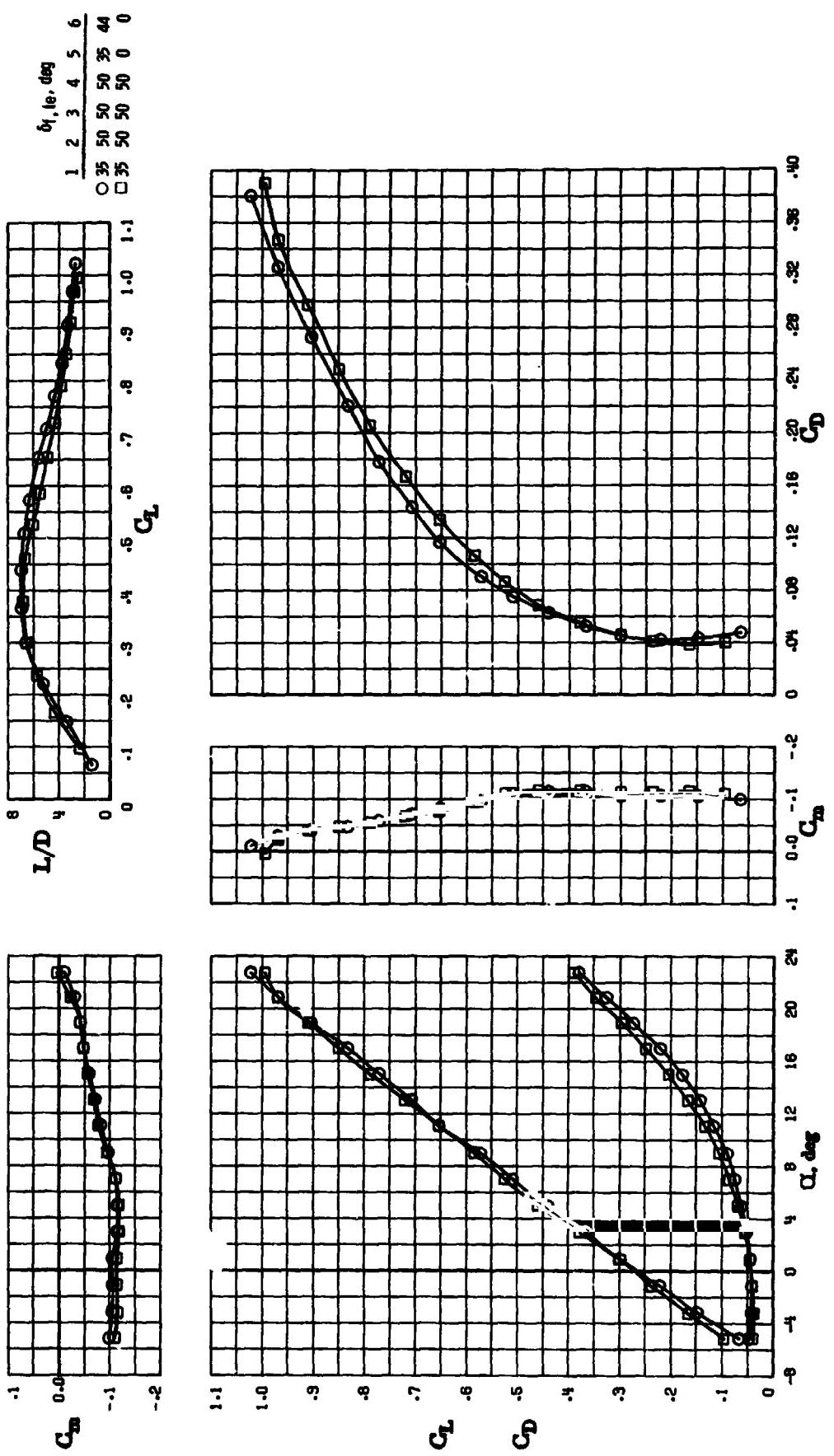
(d)  $\alpha_{10} = 30^\circ$

Figure 10. -Concluded.



(a) Inboard leading-edge undeflected.

Figure II. - Effect of outboard leading-edge flap deflection on longitudinal aerodynamic characteristics. Tail-off.  $\beta=0$ .  $\delta_1, t_0 = 30^\circ$ .



(b) Inboard leading-edge deflected.

Figure II. - Concluded.

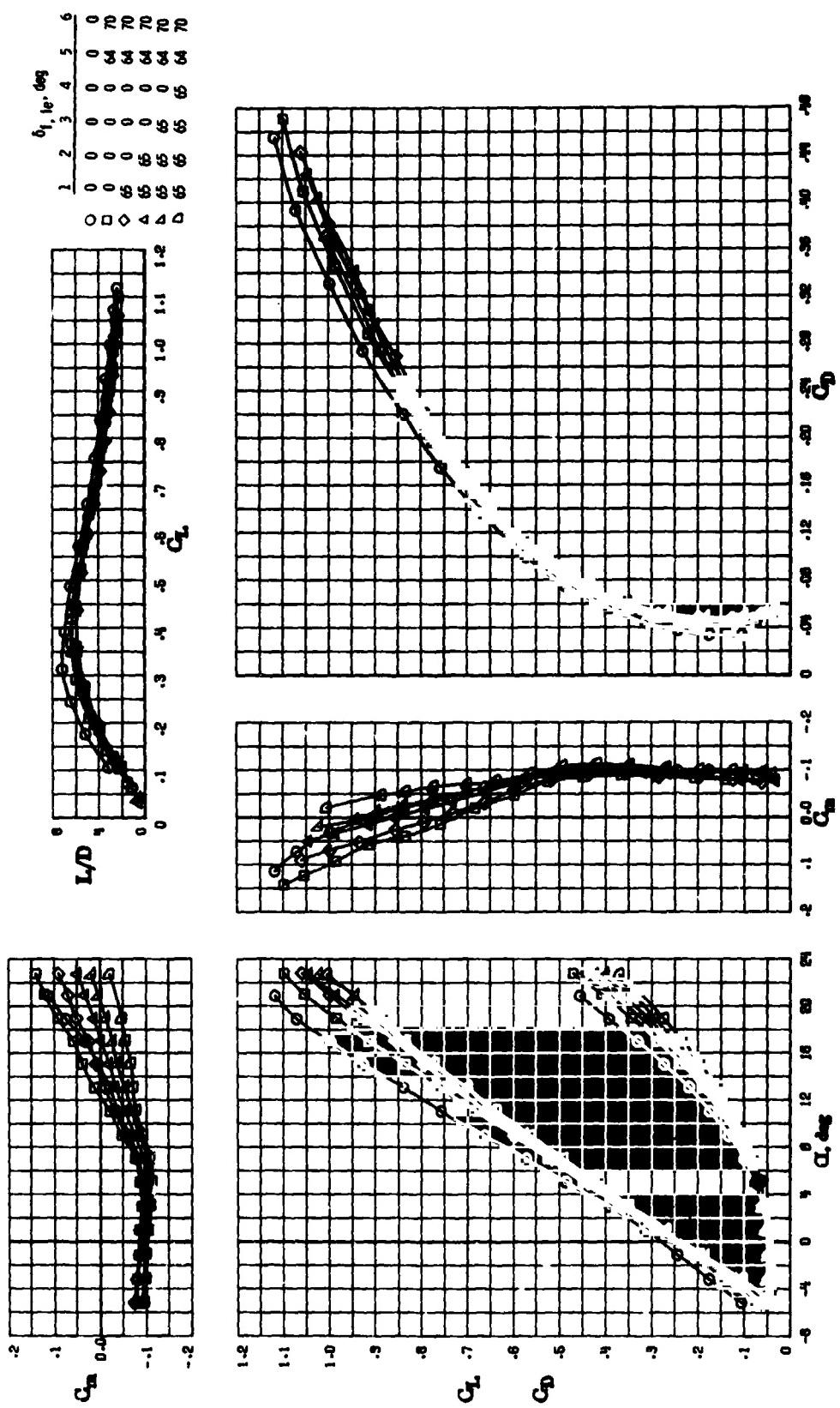


Figure 12. - Effect of deflecting the leading-edge flap segments starting at the inboard segment. Tail-off.  $\beta = 0$ .  $\delta_{LE} = 30^\circ$

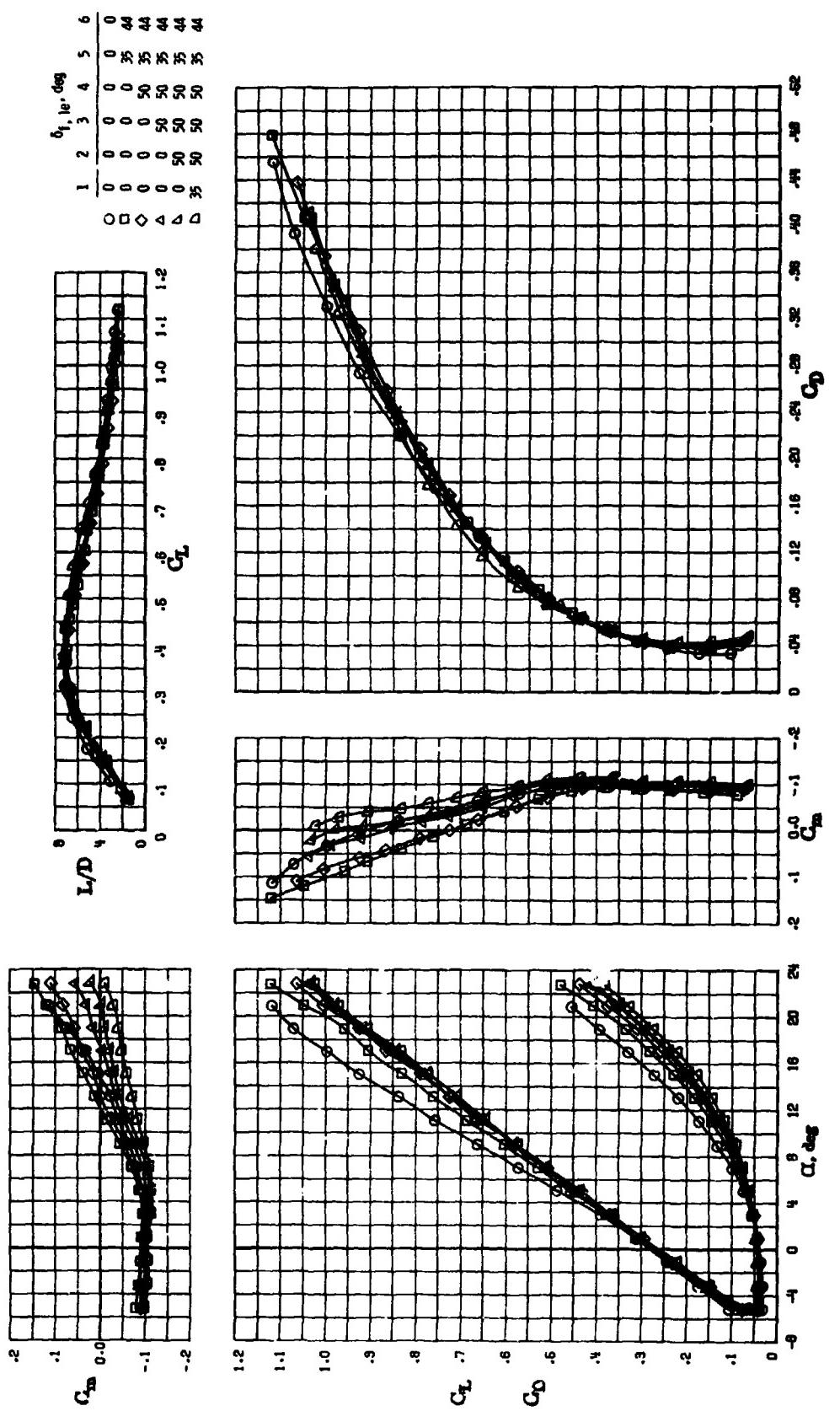
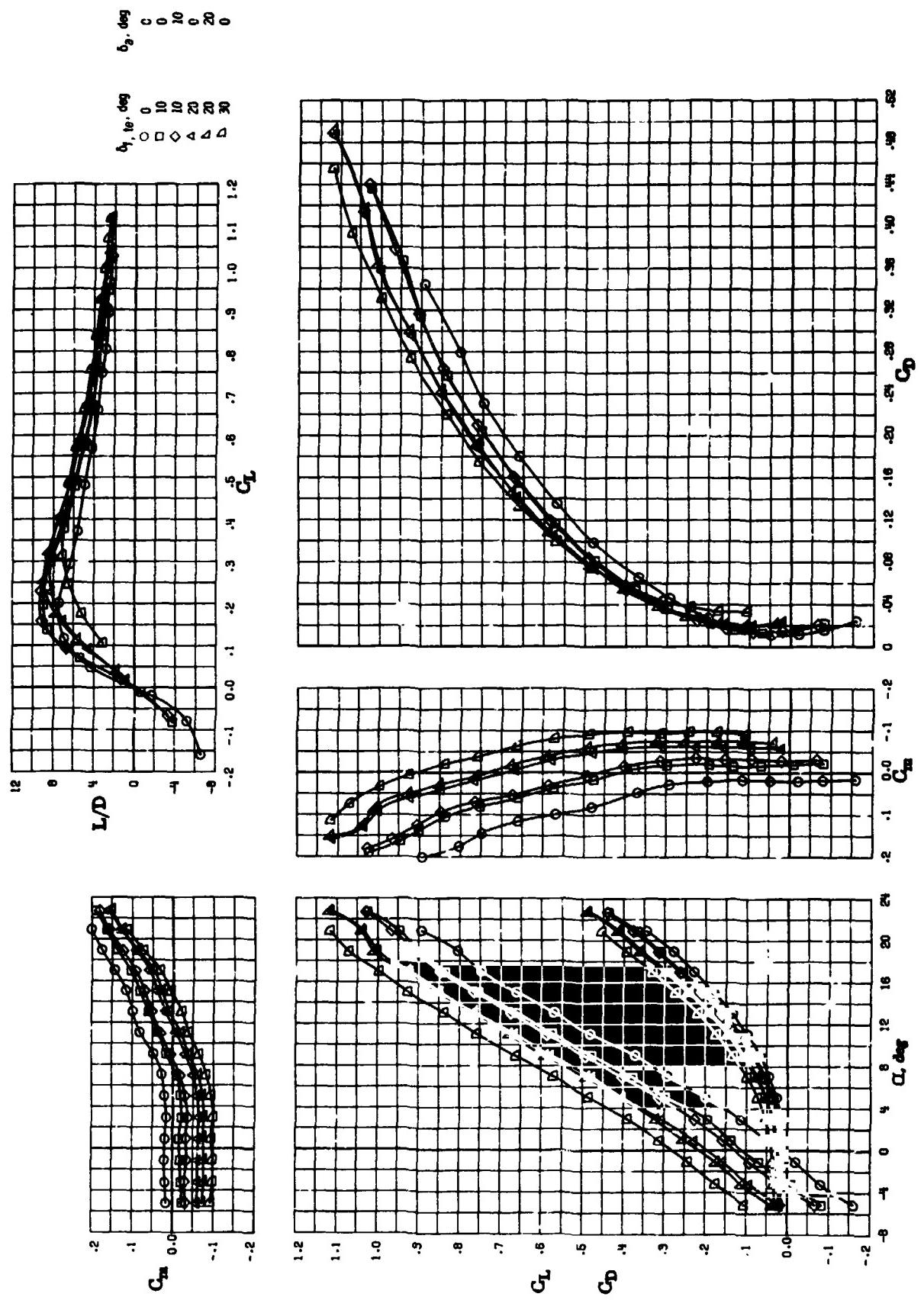
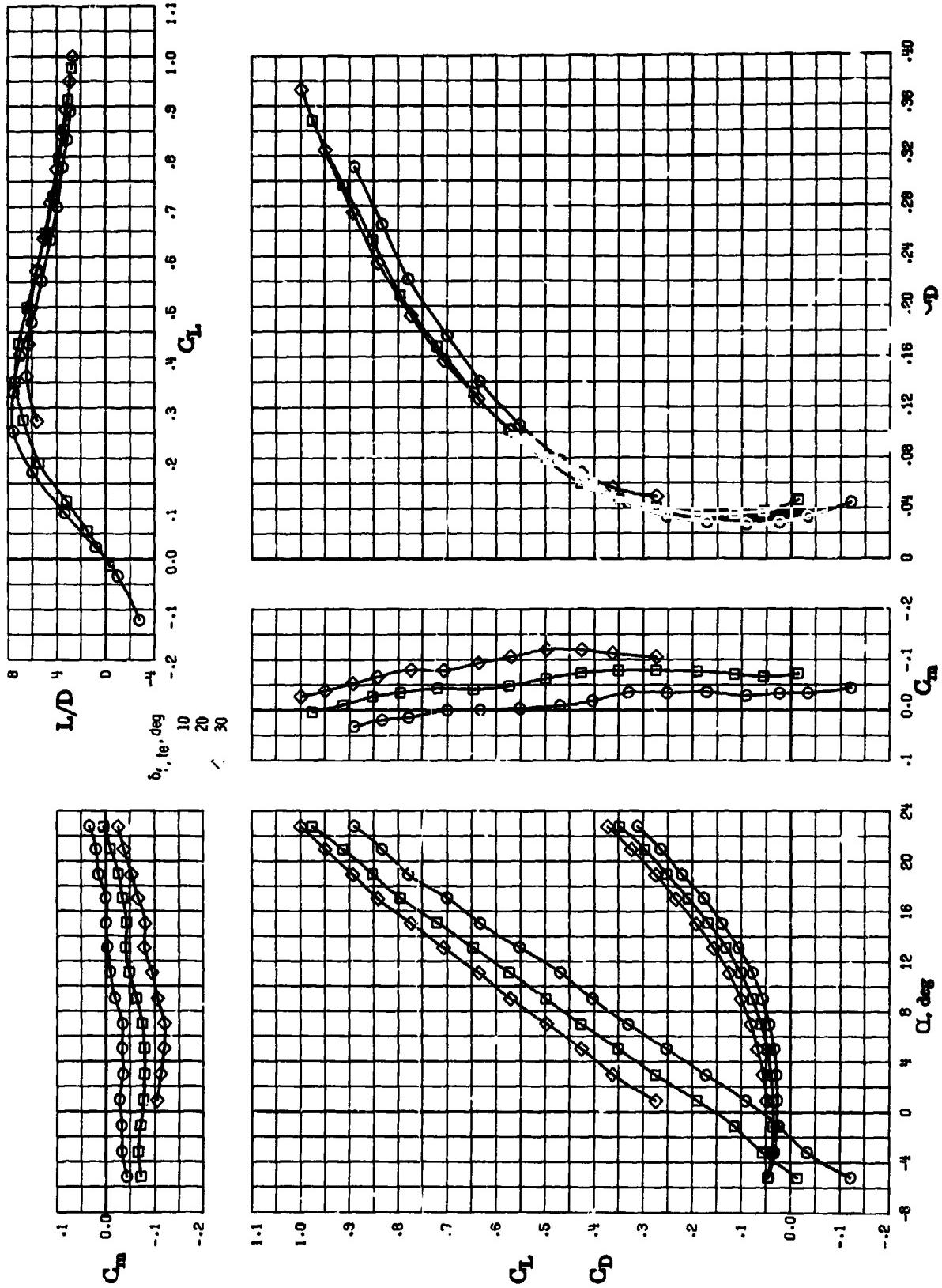


Figure 13. - Effect of deflecting the leading-edge flap segments starting outward.  
Tail-off.  $\beta=0^\circ$ .  $\delta_{LE}=20^\circ$ .



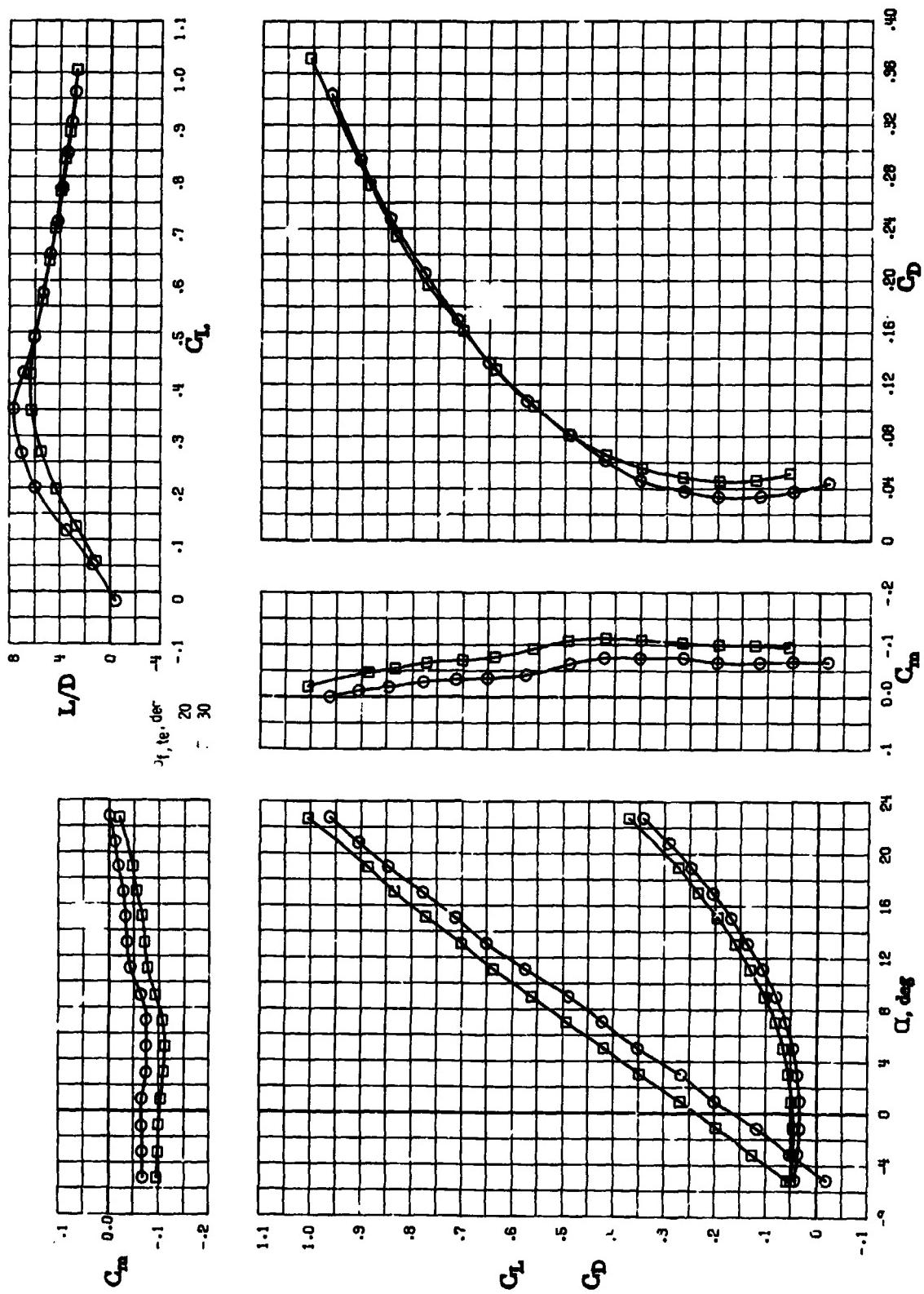
(a) ( $\delta_F, \delta_{\ell}$ ) = 2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0  
 $\beta = 0^\circ$ ,  
Tail-off.

Figure 14 - Effect of trailing-edge flap deflection on longitudinal aerodynamics.



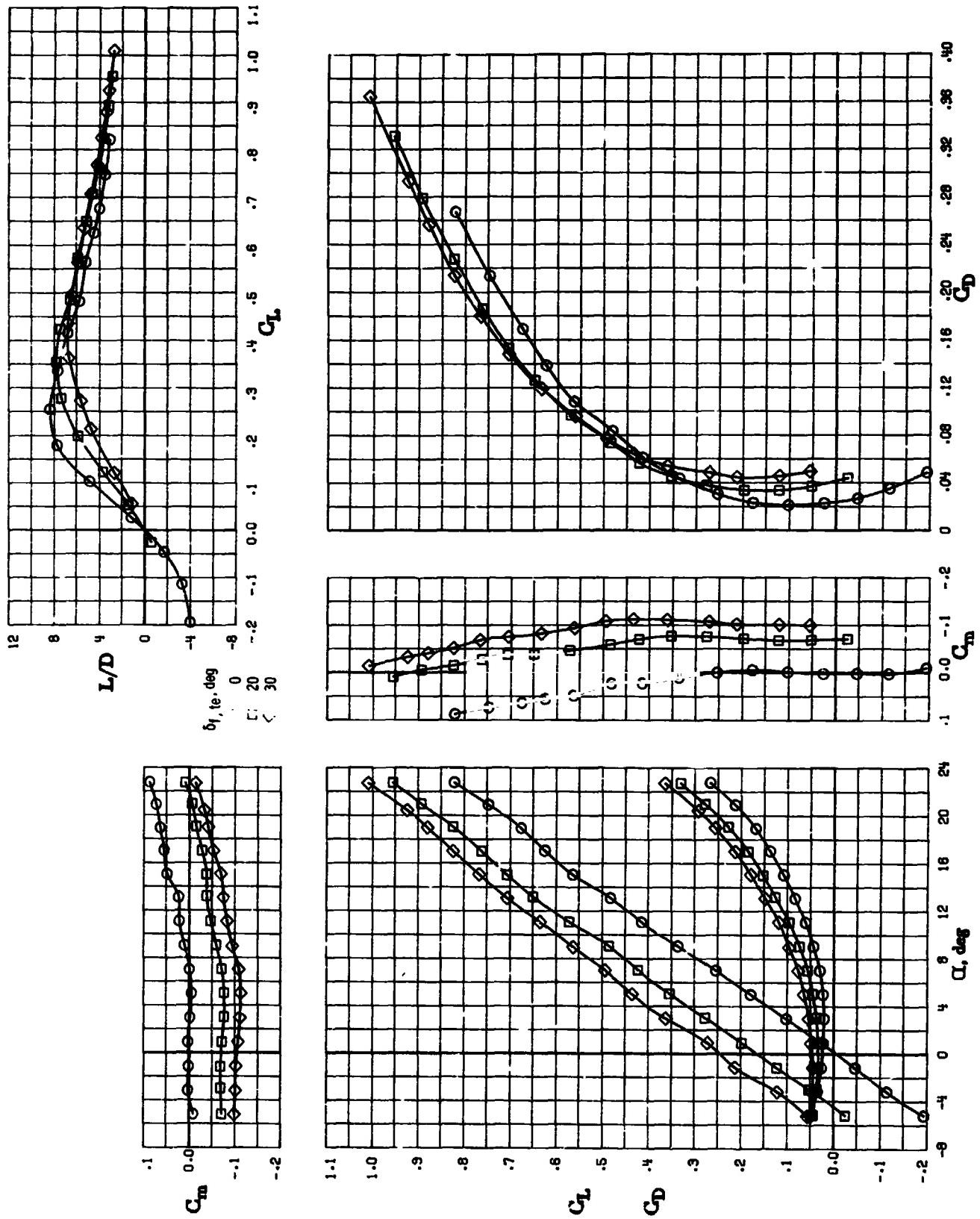
(b)  $\{\delta_f, \alpha\}^t, t=1, 2, 3, 4, 5, 6=50, 55, 60, 65, 69, 70$

Figure 14. -Corr'



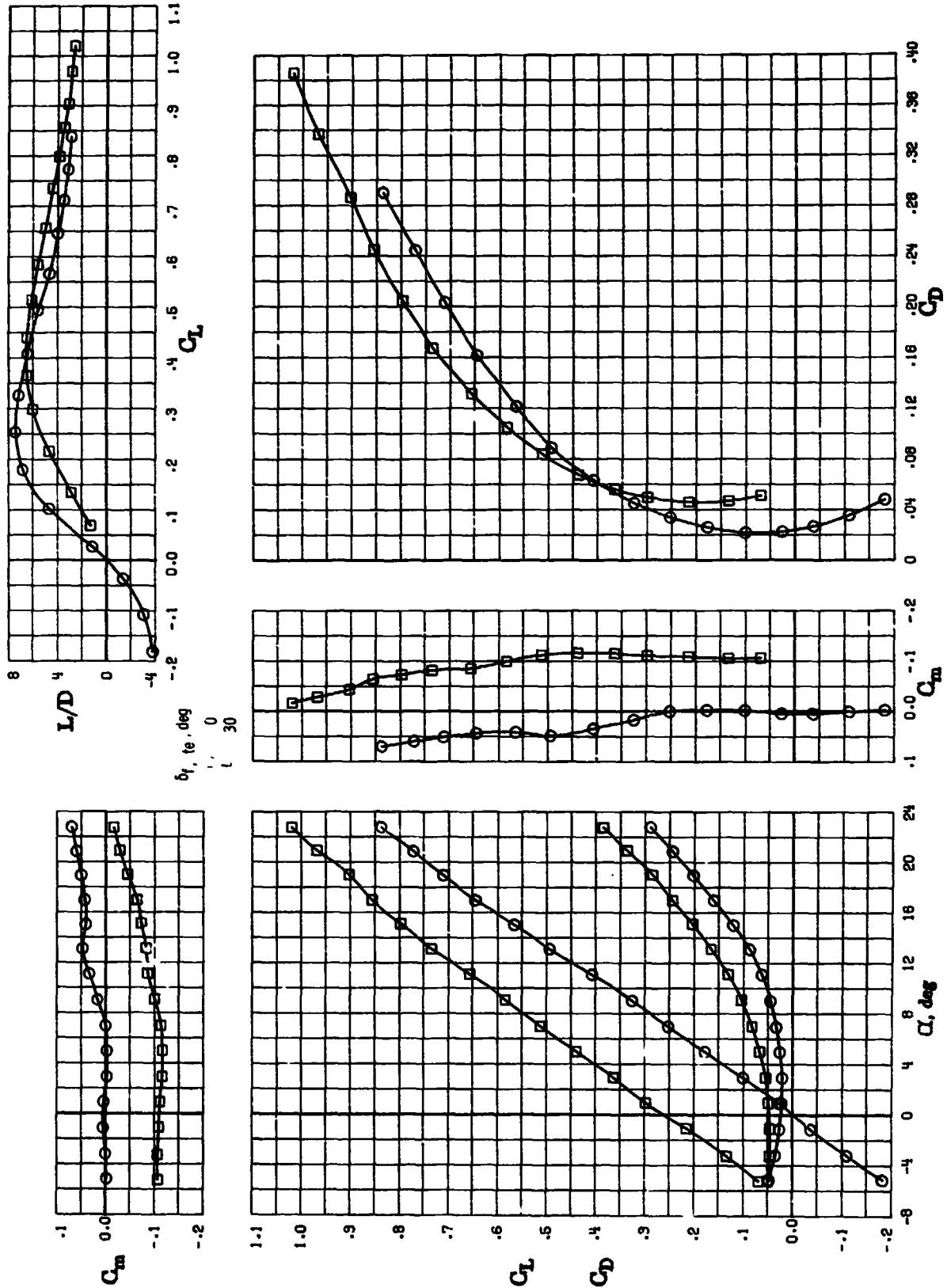
(c) ( $q_f, \alpha_f$ ) 1, 2, 3, 4, 5, 6 = 65, 65, 65, 65, 64, 70

Figure 14. - Continued.



(d)  $(\delta_1, \text{le})_{1,2,3,4,5,6} = 50, 50, 50, 50, 52, 56$

Figure 14. - Continued.

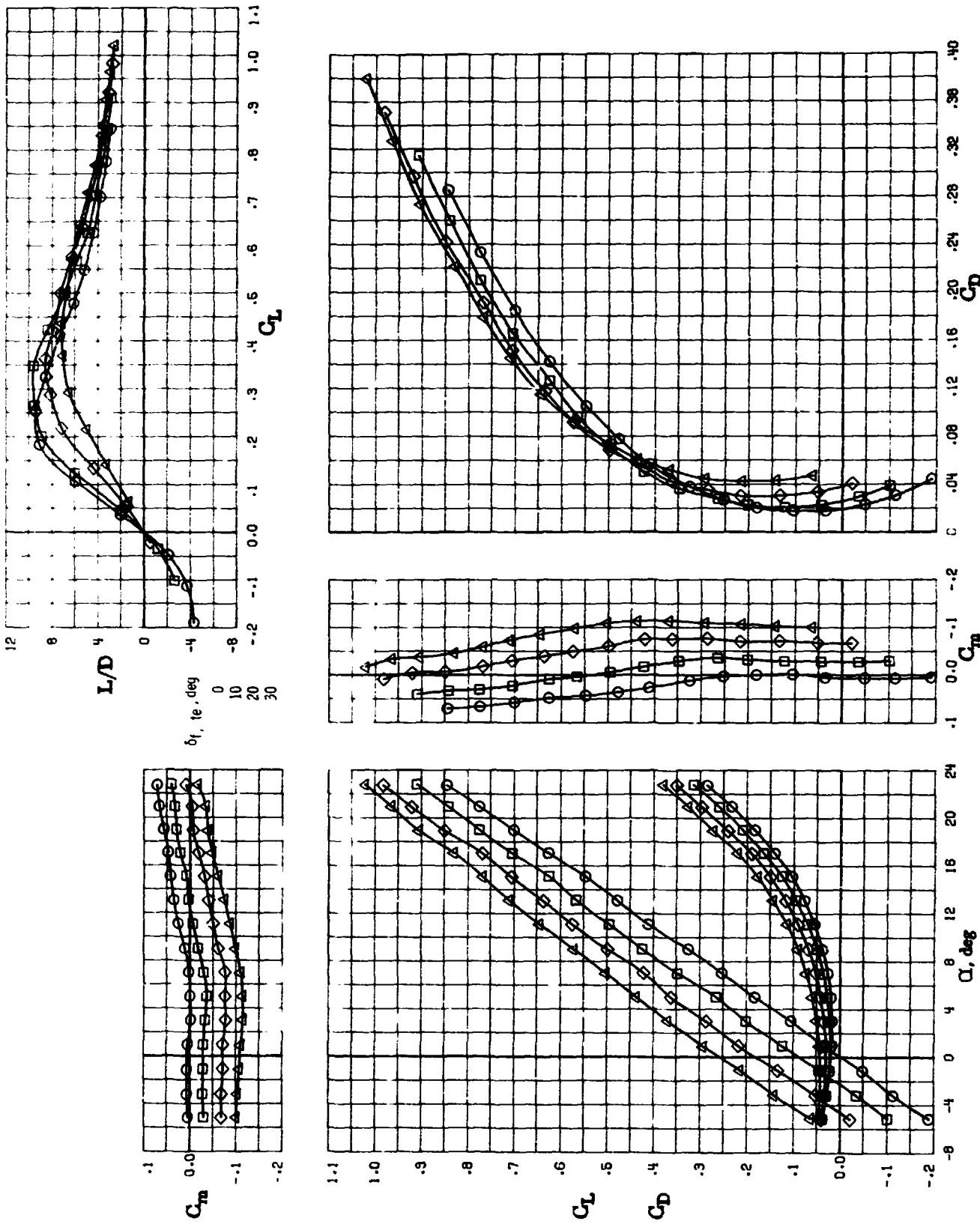


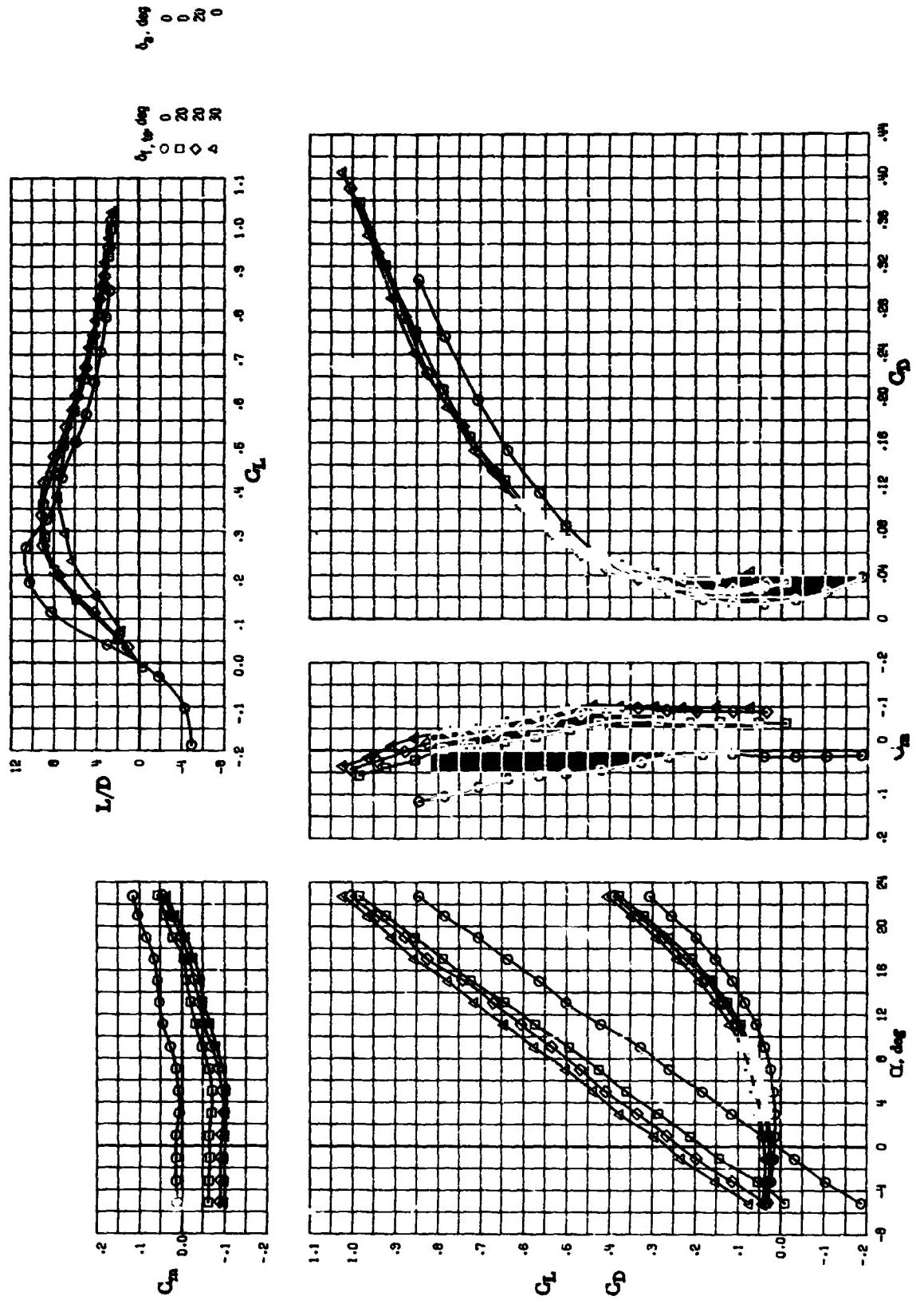
(a)  $\{\beta_1/\beta_0\} = 1, 2, 3, 4, 5, 6 = 35, 50, 60, 72, 70, 70$

FIGURE 14. - Continued.

Figure 1A - Continued.

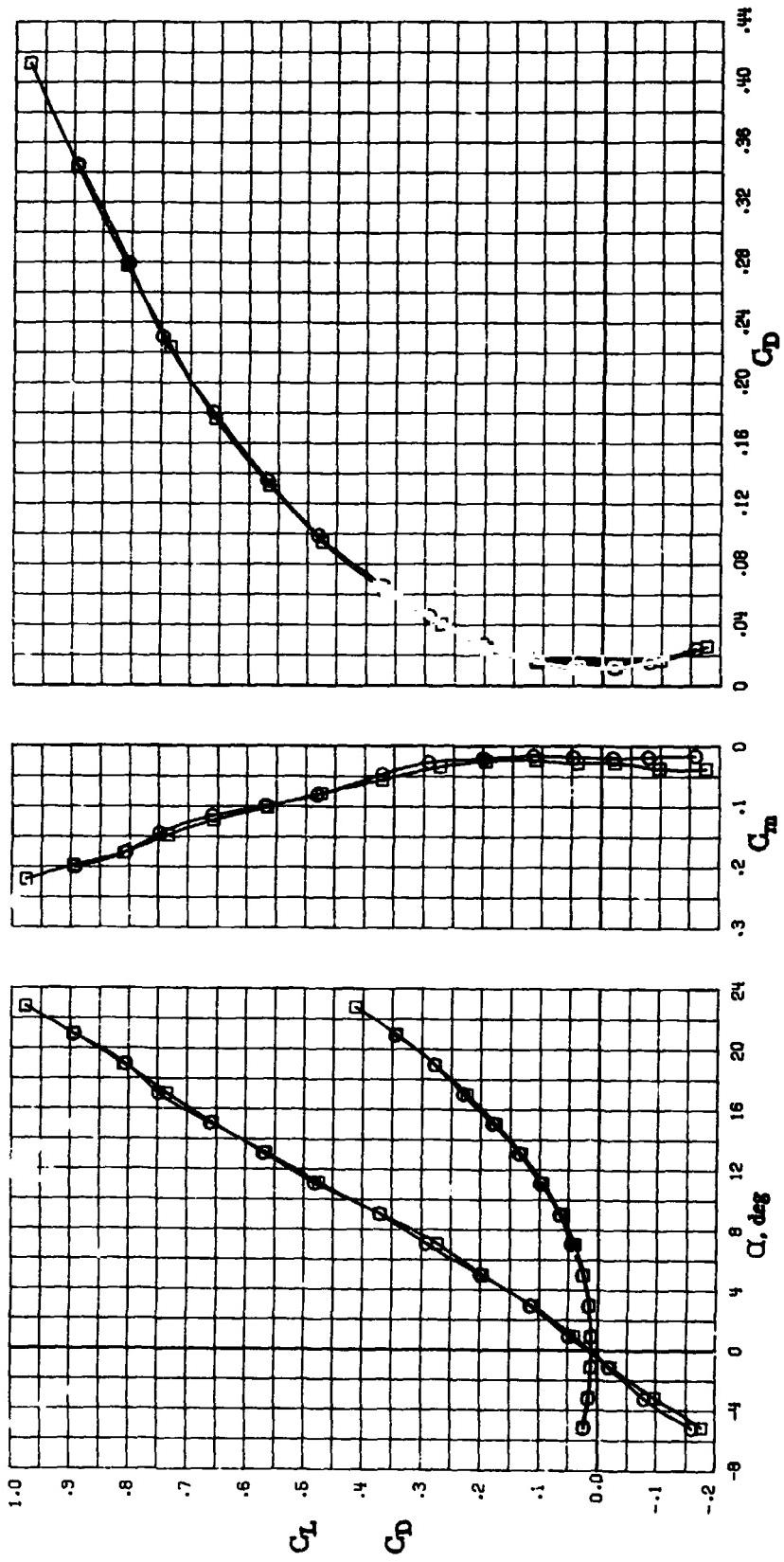
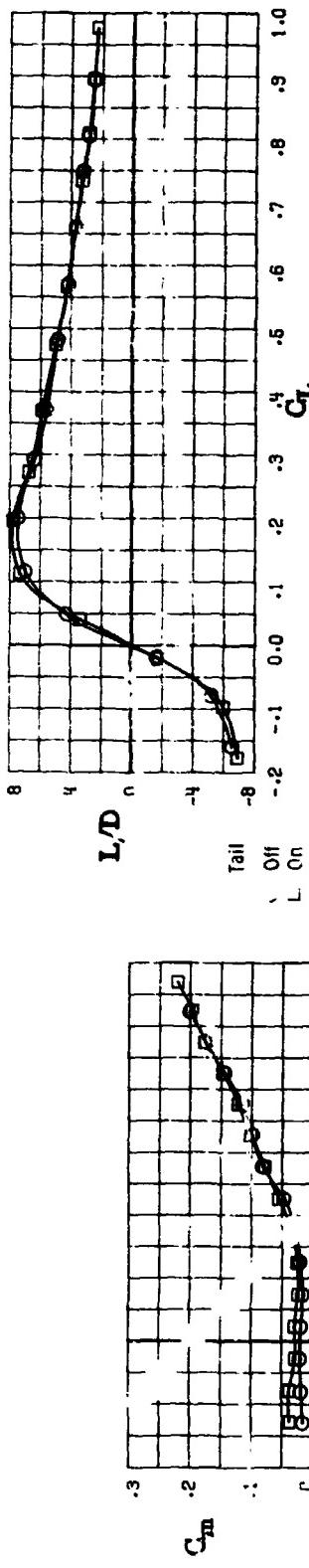
(II)  $\{\theta_i\}_{i=1,2,3,4,5,6} = 35, 50, 50, 50, 34, 44$





(g)  $\{10, 16, 2, 3, 4, 5, 6, 13, 34, 35, 36, 19, 29$

Figure 14. - Concluded.

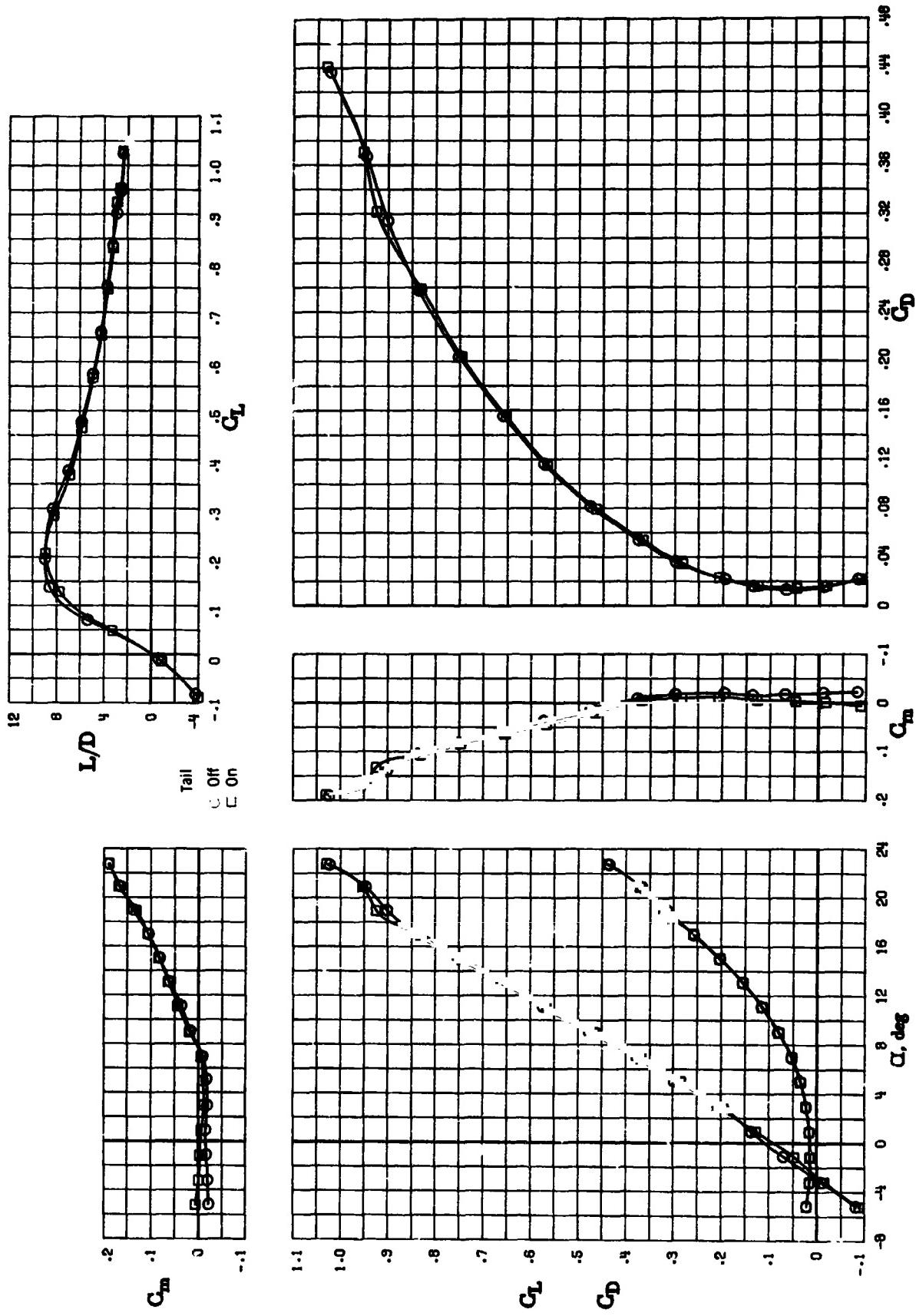


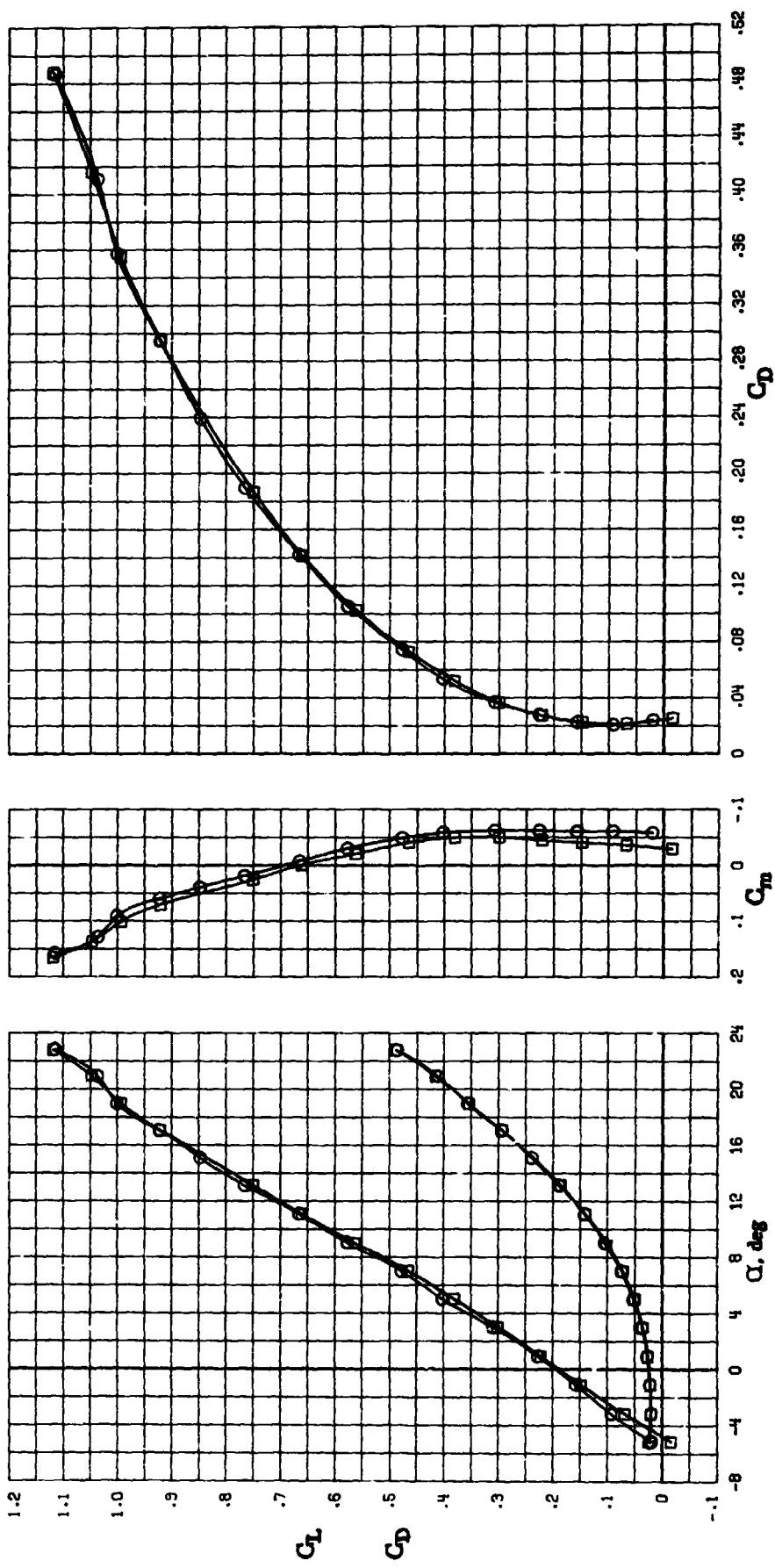
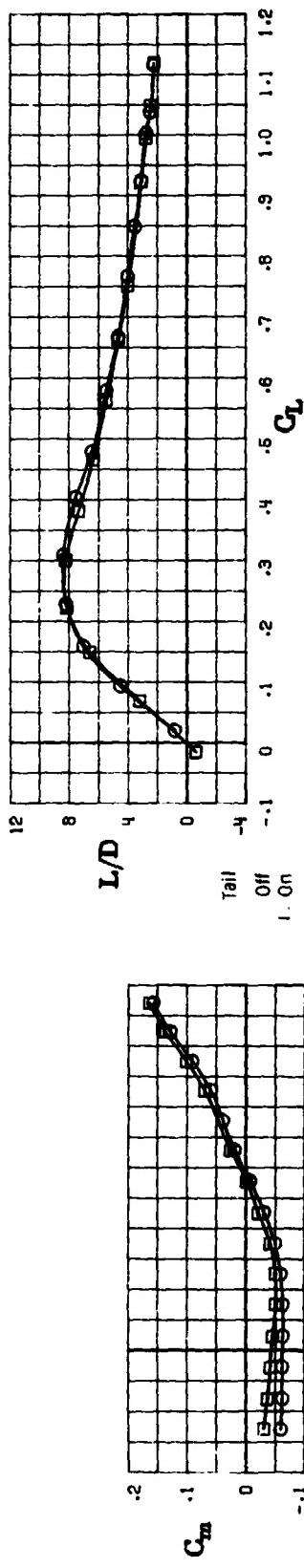
(a)  $\delta_t, \delta_e = 0^\circ$

Figure 15. - Effect of horizontal tail on longitudinal aerodynamic characteristics of the clean leading-edge configuration.  $\beta = 0^\circ$ .

(b)  $\delta_{f,te} = 10^\circ$

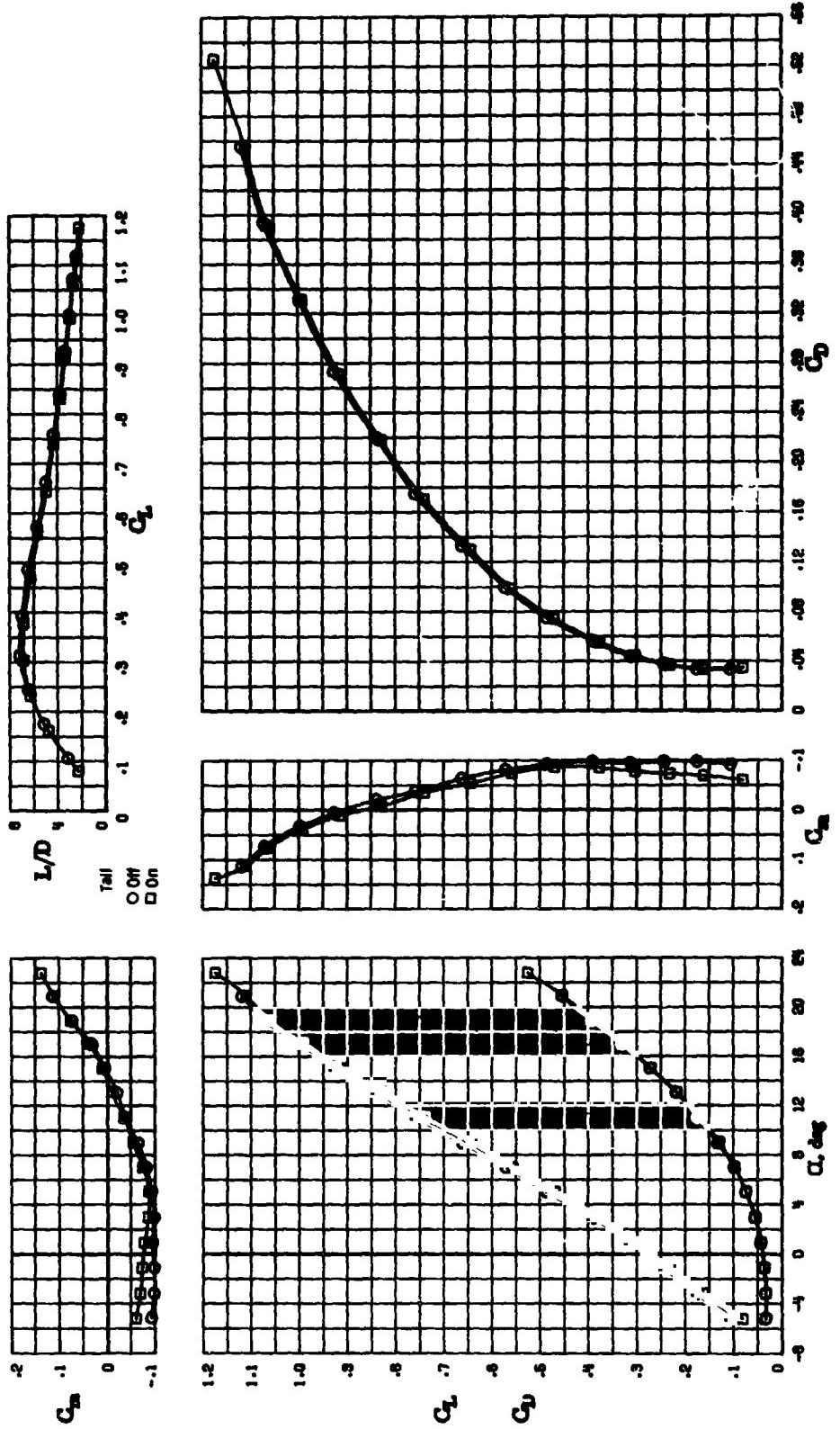
Figure 15. - Continued.



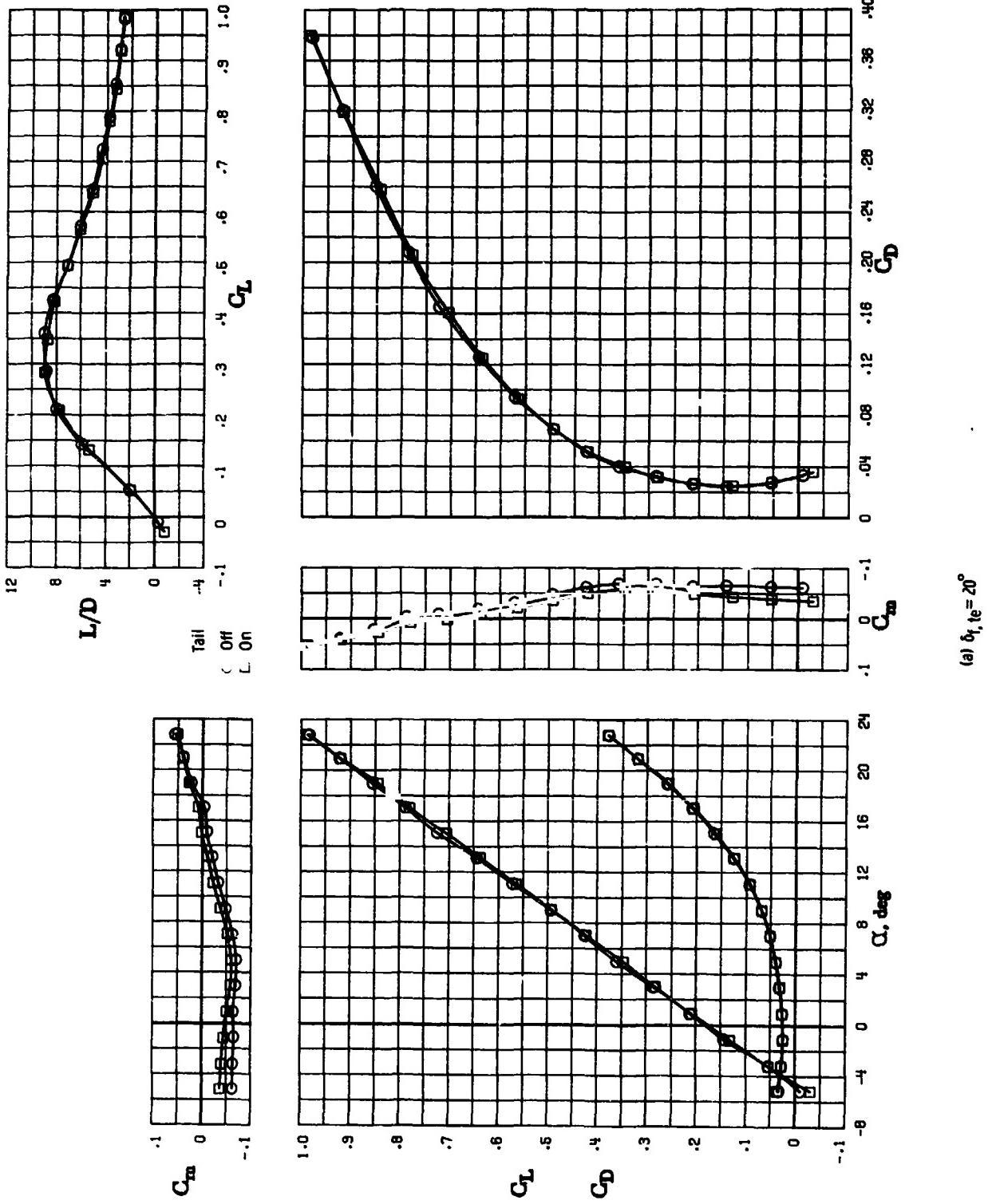


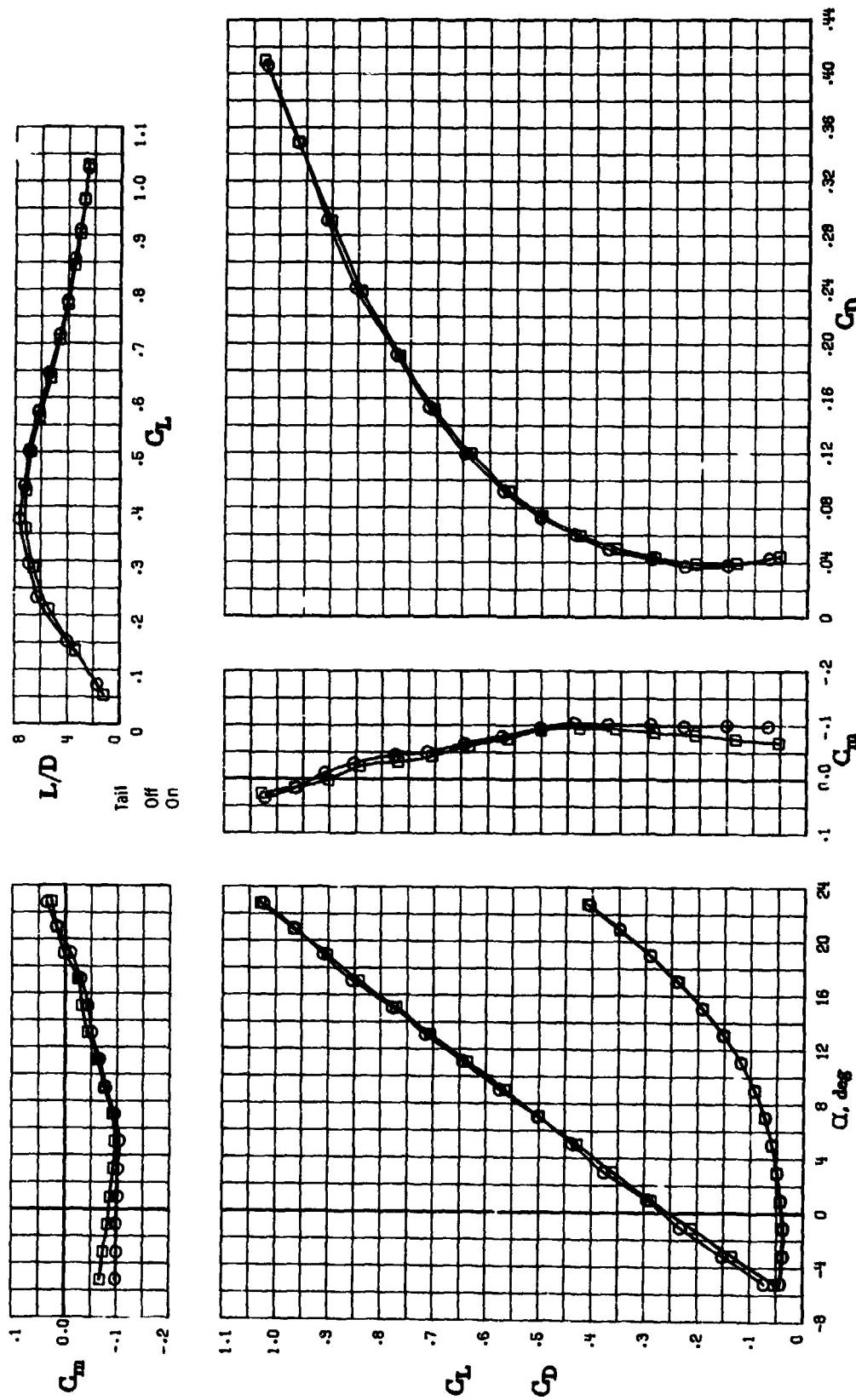
(c)  $\delta_{l,te} = 20^\circ$

Figure 15. - Continued.



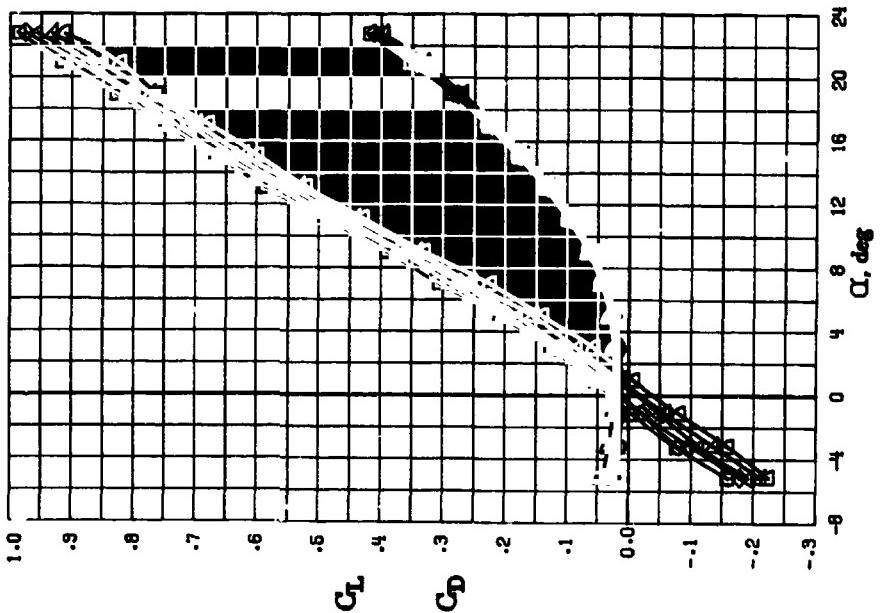
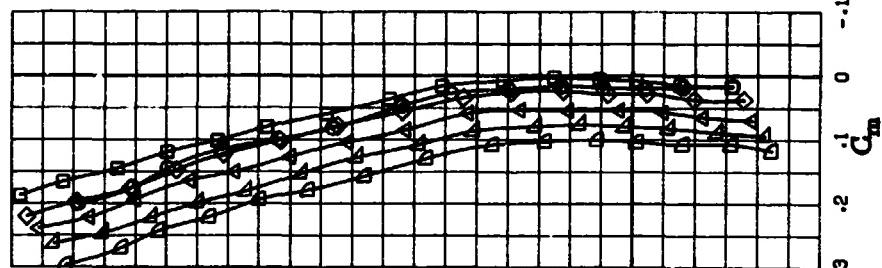
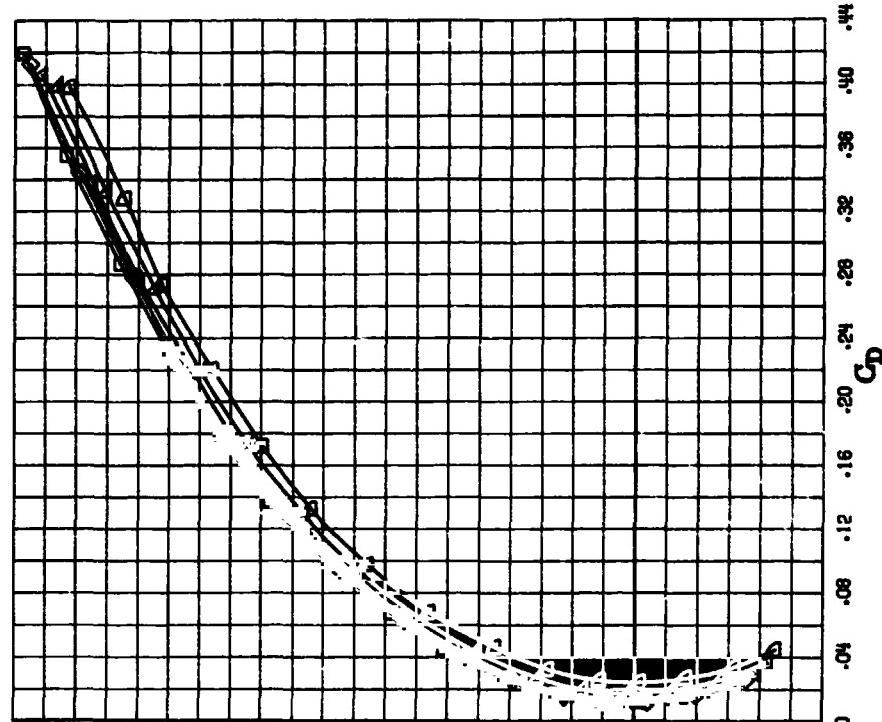
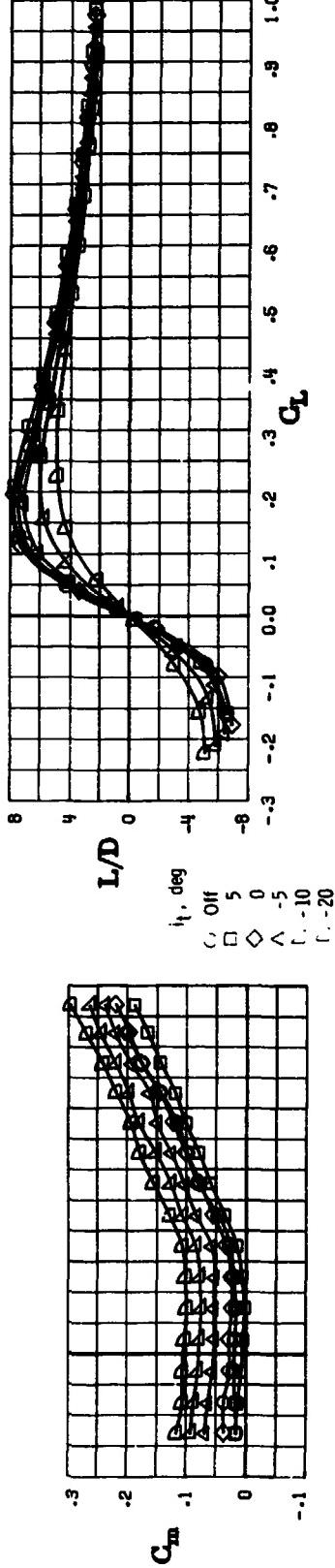
(d)  $\delta_1, \delta_0 = 30^\circ$   
Figure 15. - Concluded.





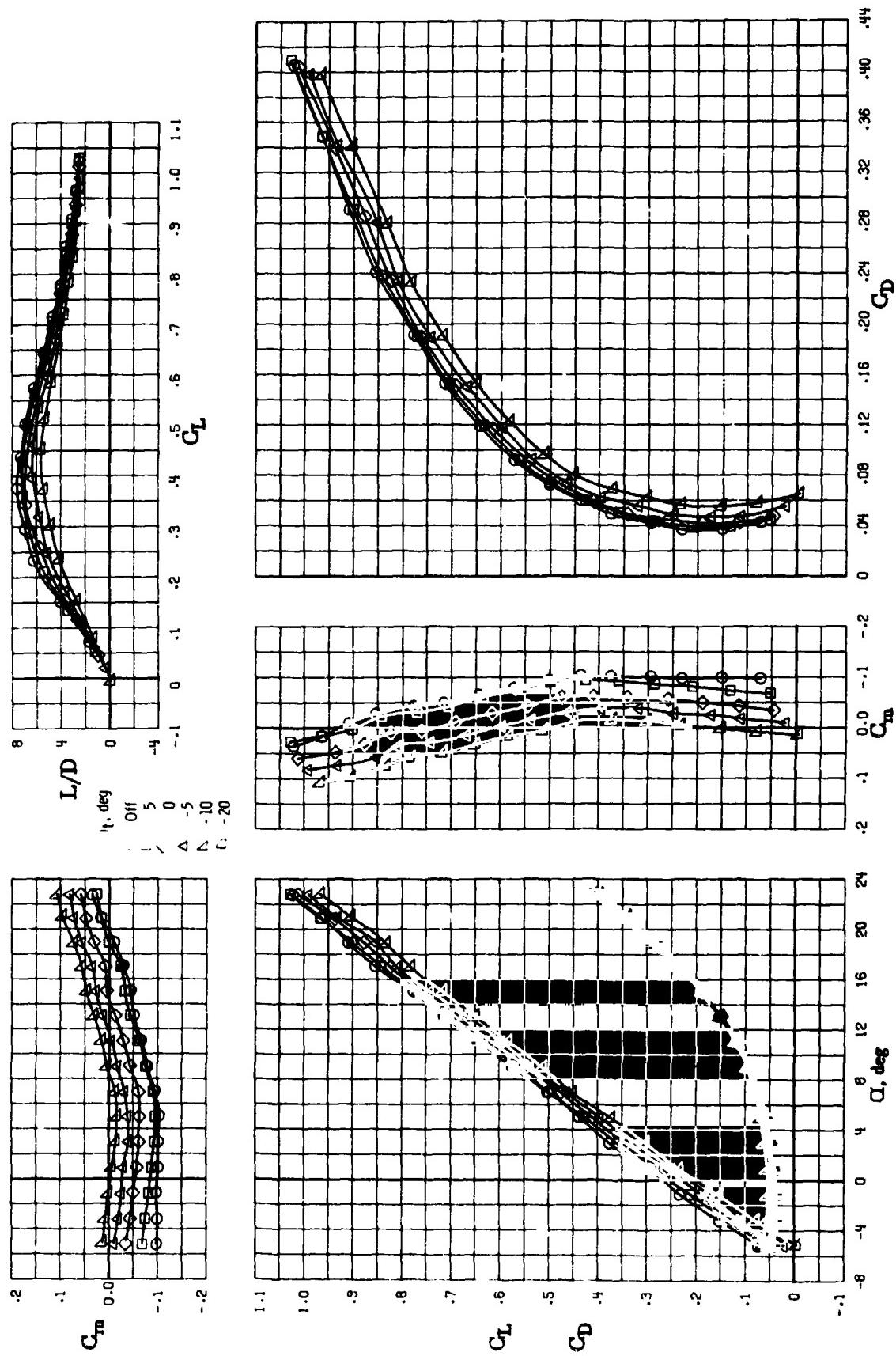
(b)  $\delta_t, t_e = 30^\circ$

Figure 16. - Concluded.



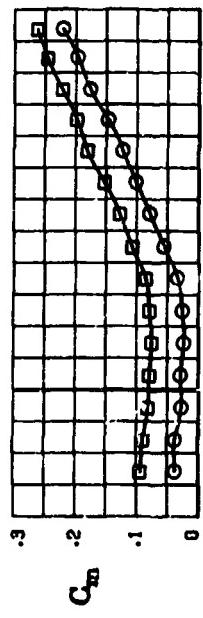
(a)  $(\delta_f, \delta_e) = (2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0, 0)$ ,  $\delta_f, \delta_e = 0^\circ$

Figure 17. - Effect of deflecting horizontal tail on longitudinal characteristics.  $\beta = 0^\circ$ .



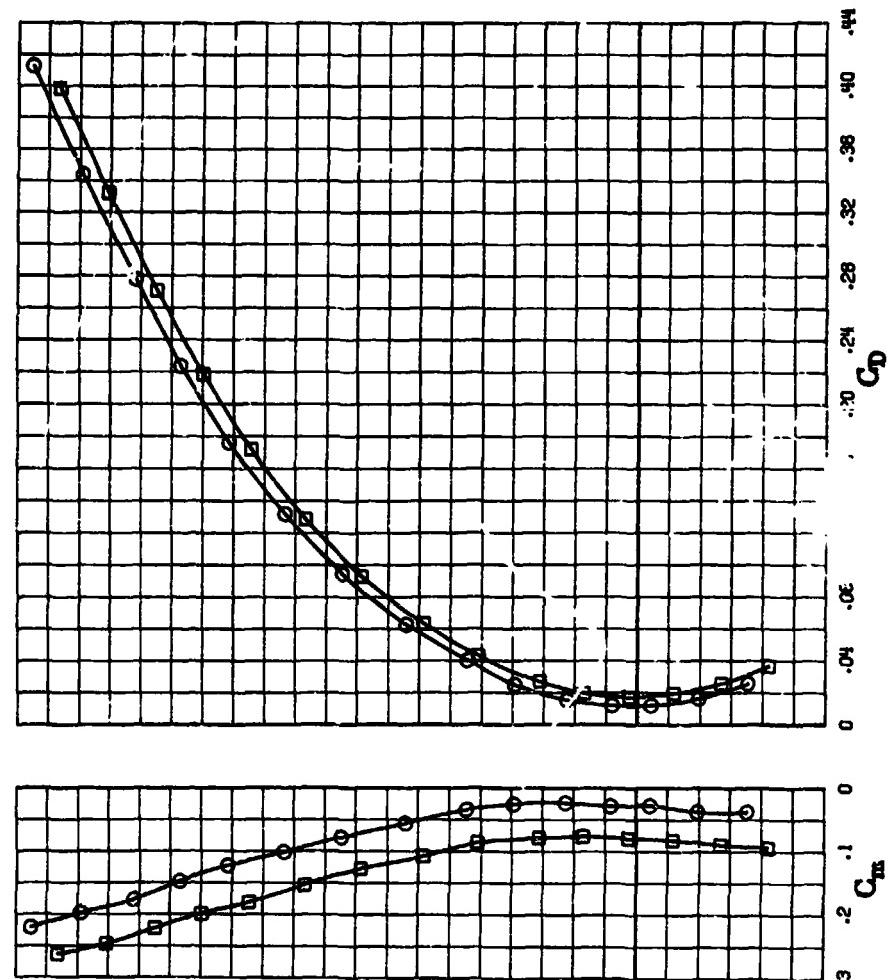
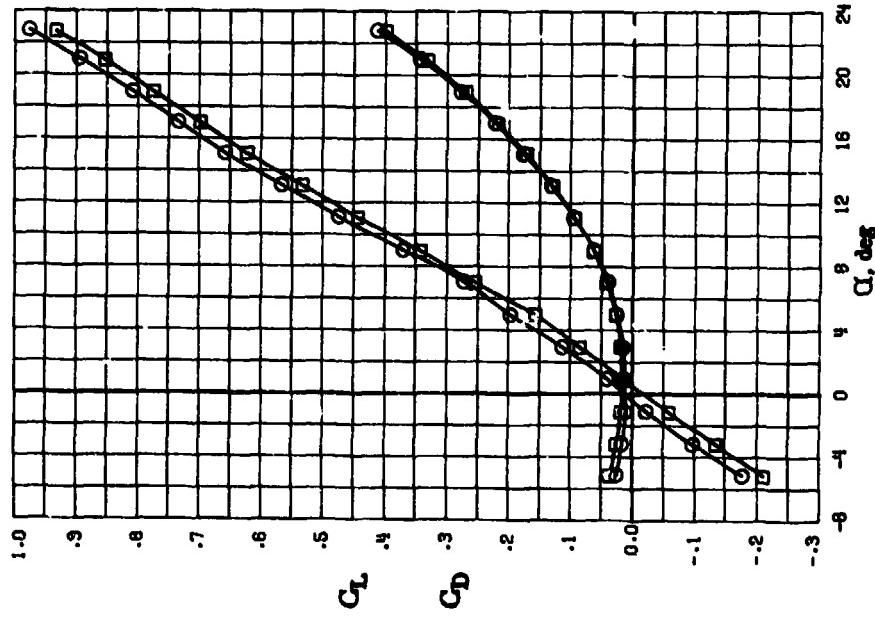
(b)  $\{\delta_f, \delta_e\}, 2, 3, 4, 5, 6 = [3, 34, 35, 35, 19, 29] ; \delta_f, \delta_e = 30^\circ$

Figure 17. - Concluded.



$i_t, \text{deg}$

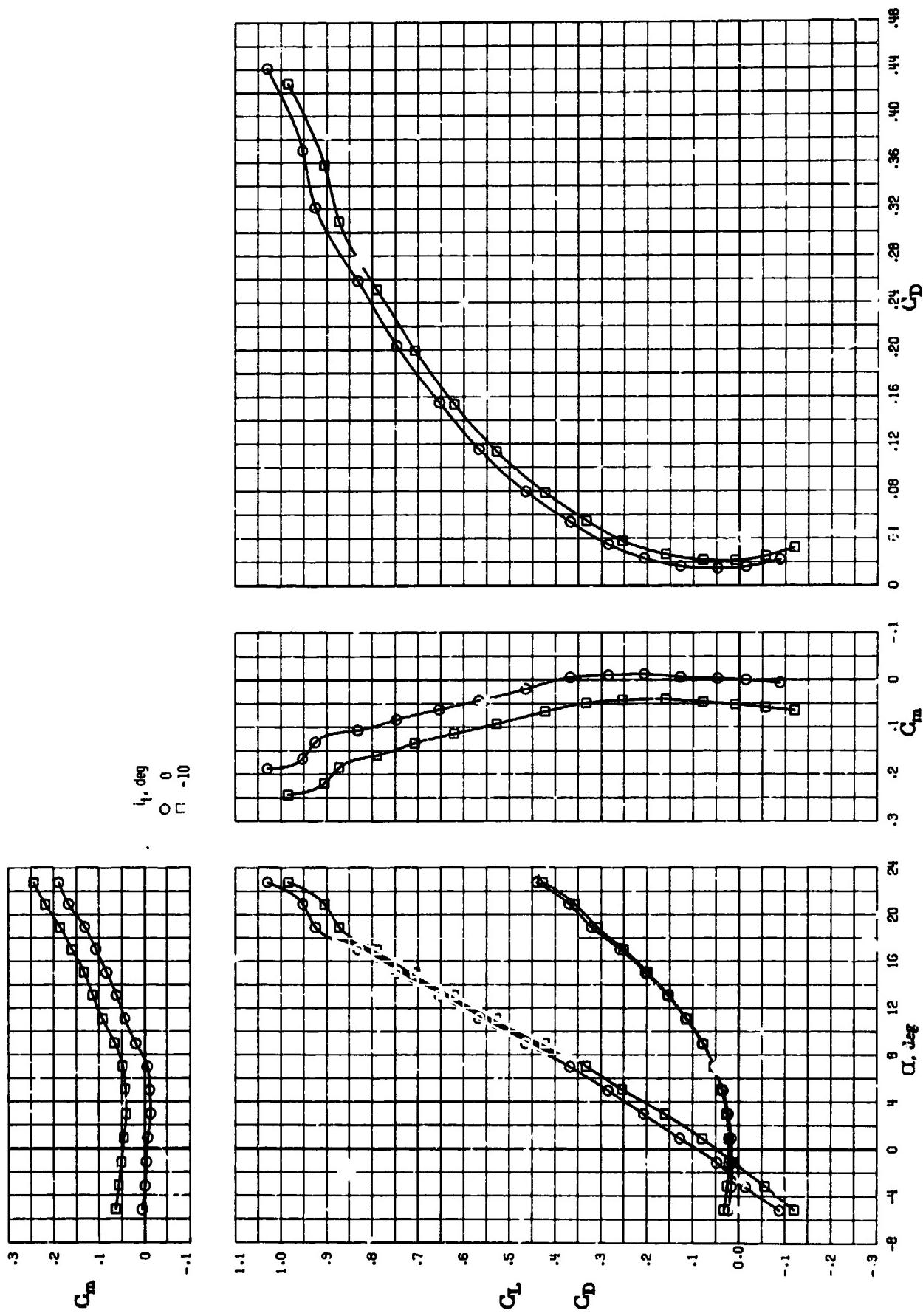
○ □

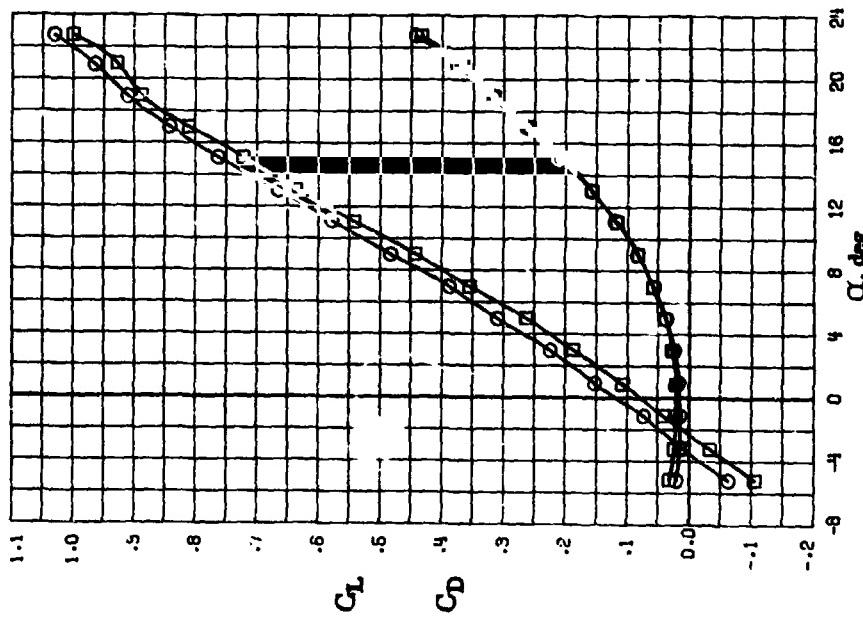
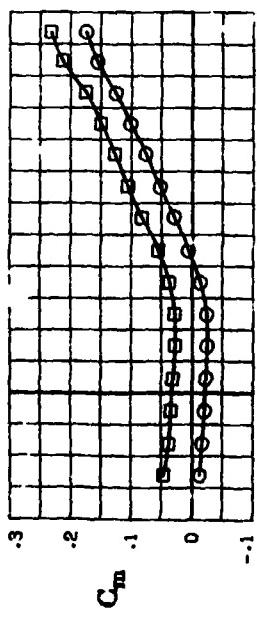


(a)  $\delta_T, i_t = 0^\circ$

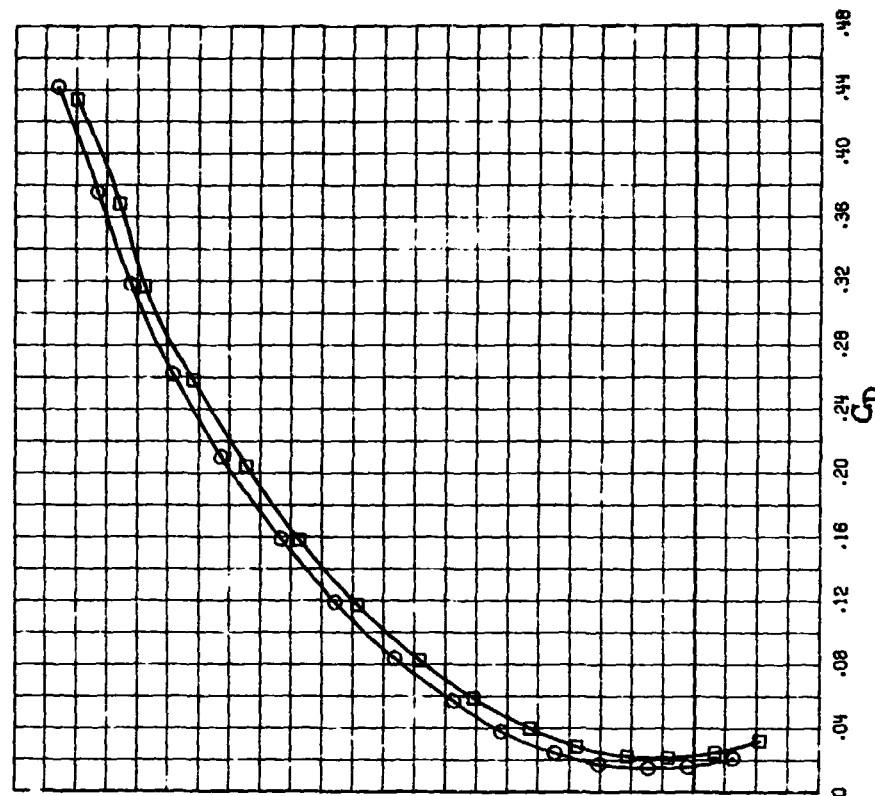
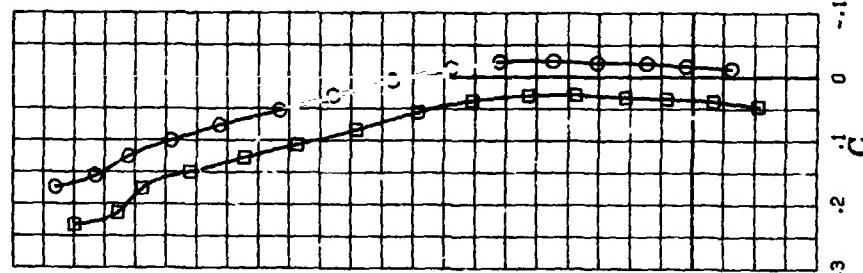
Figure 18. - Effect of deflection horizontal tail,  $i_t = -10^\circ$ , on several configurations.  $\beta = 0^\circ$ . (b)  $i_t, \delta_T = 0, 0, 0, 0, 0, 0$ .

(b)  $\delta_f, \delta_e = 10^\circ$   
 Figure 18. - Continued.



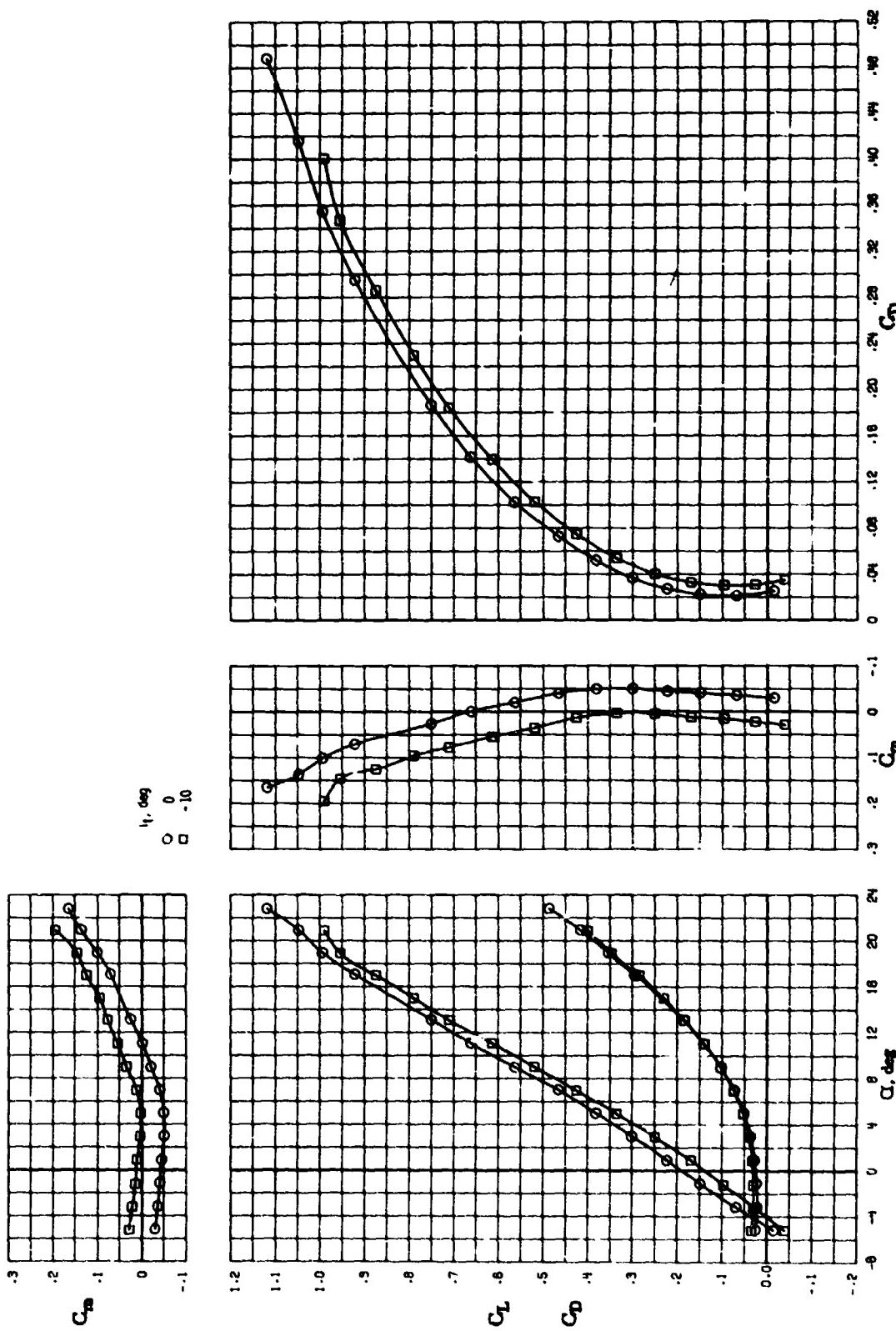


$\alpha_{deg}$

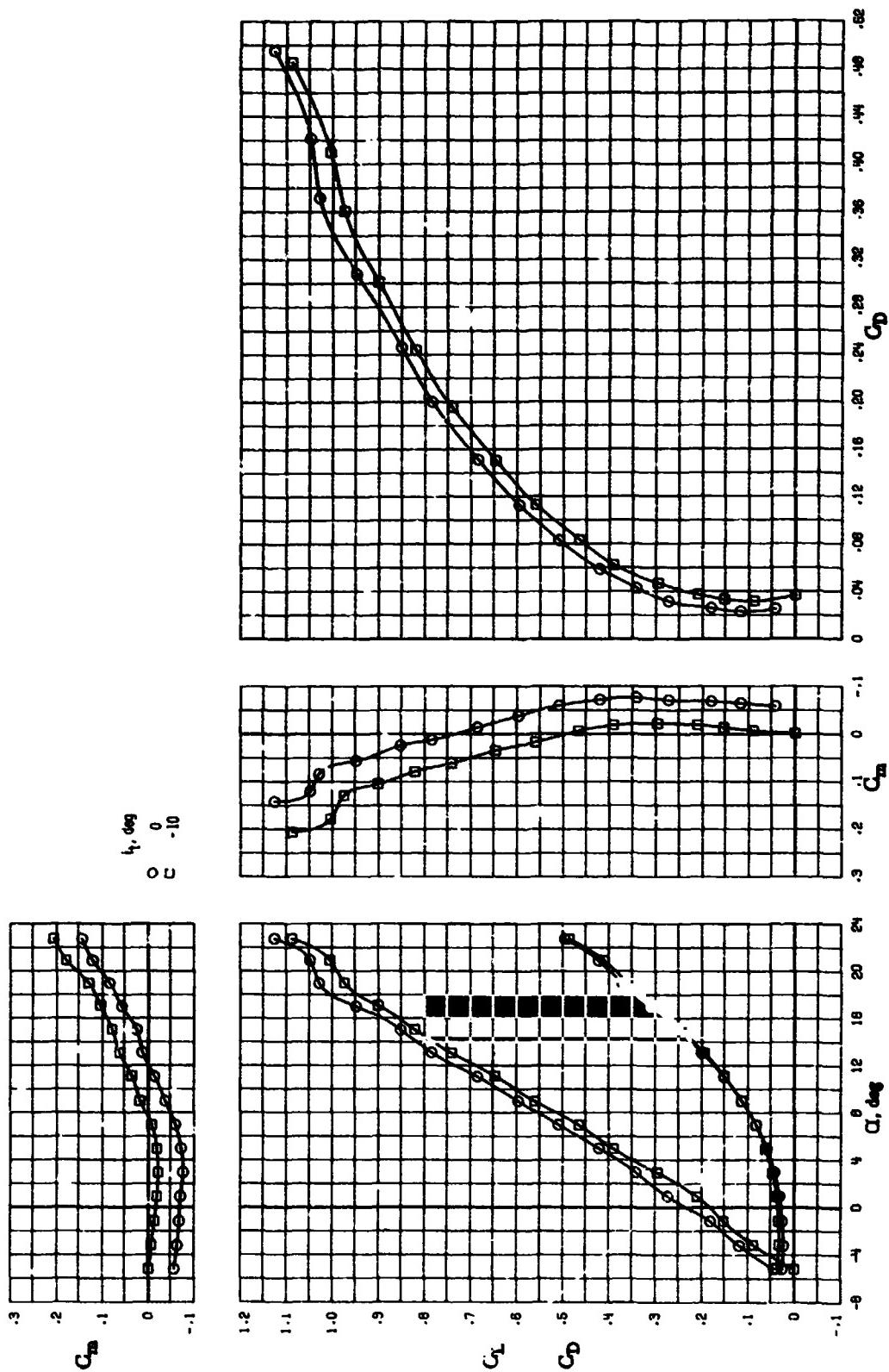


(c)  $\delta_f$ ,  $t_e = 10^6$ ;  $\delta_a = 10^6$   
Figure 18. - Continued.

(d)  $b_{1,10} = 20^\circ$   
Figure 1B - Continued.



(e)  $\delta_1, \delta_2 = 20^\circ$     $\delta_3 = 20^\circ$   
Figure 18 - Concluded



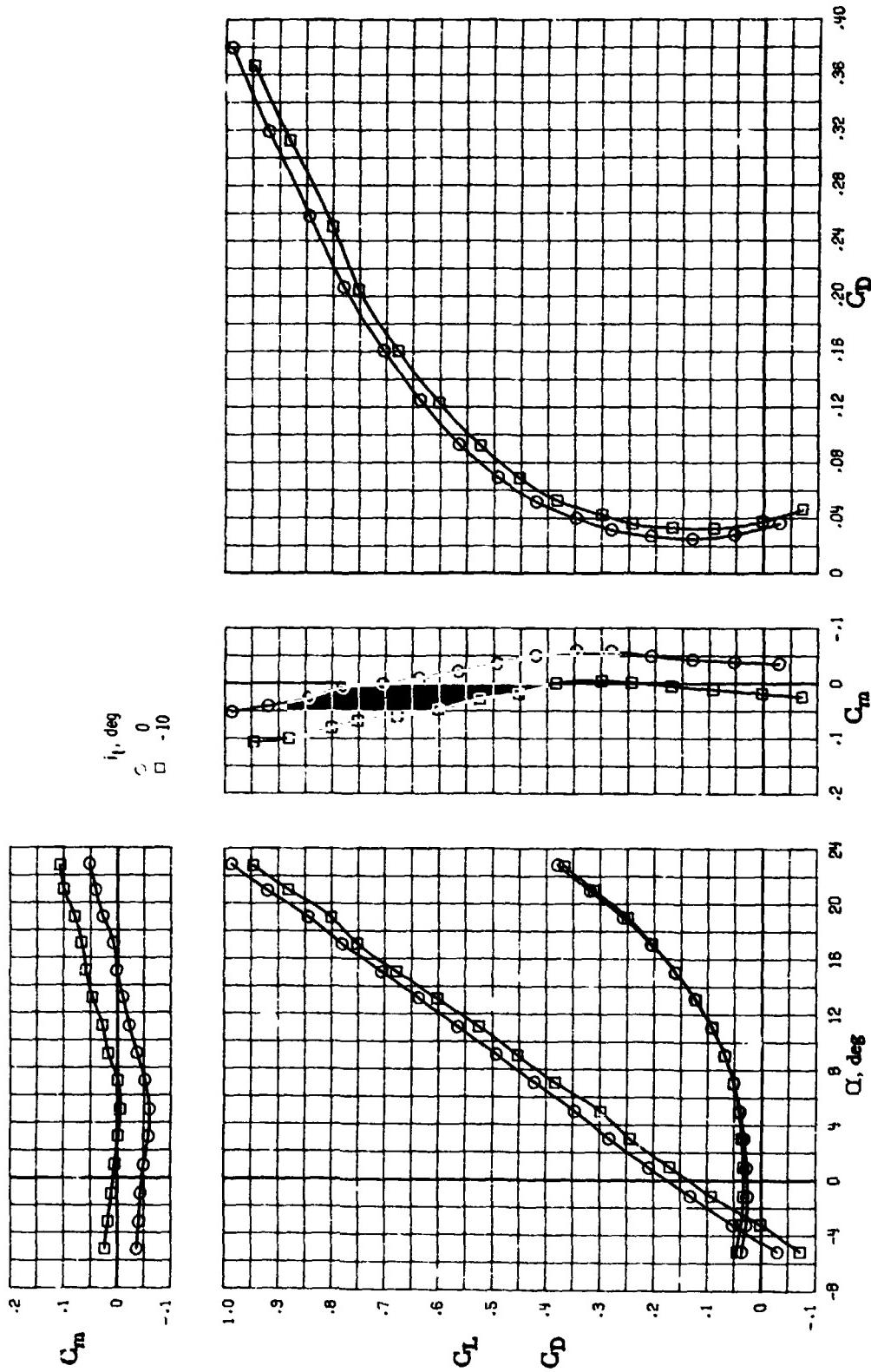
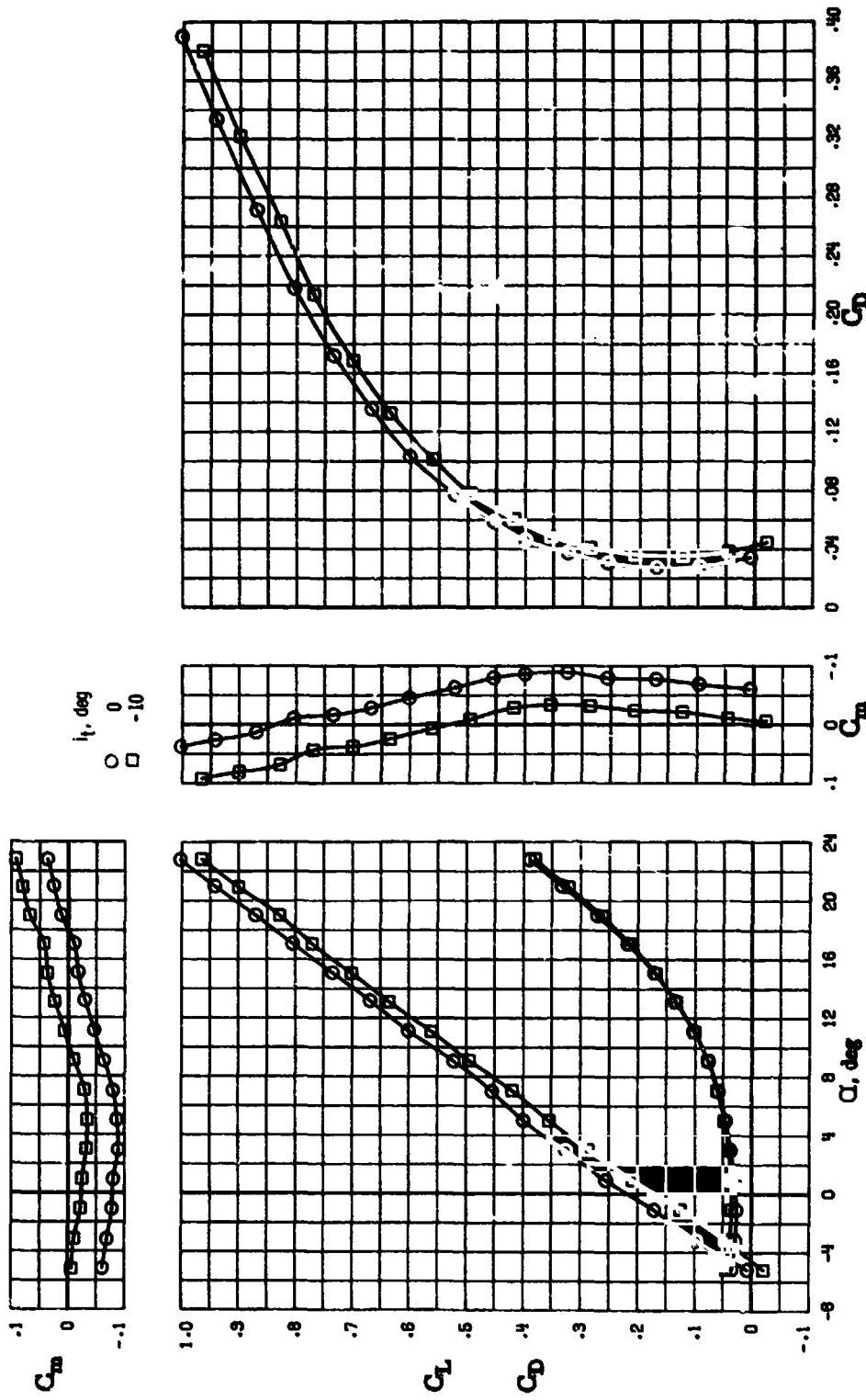
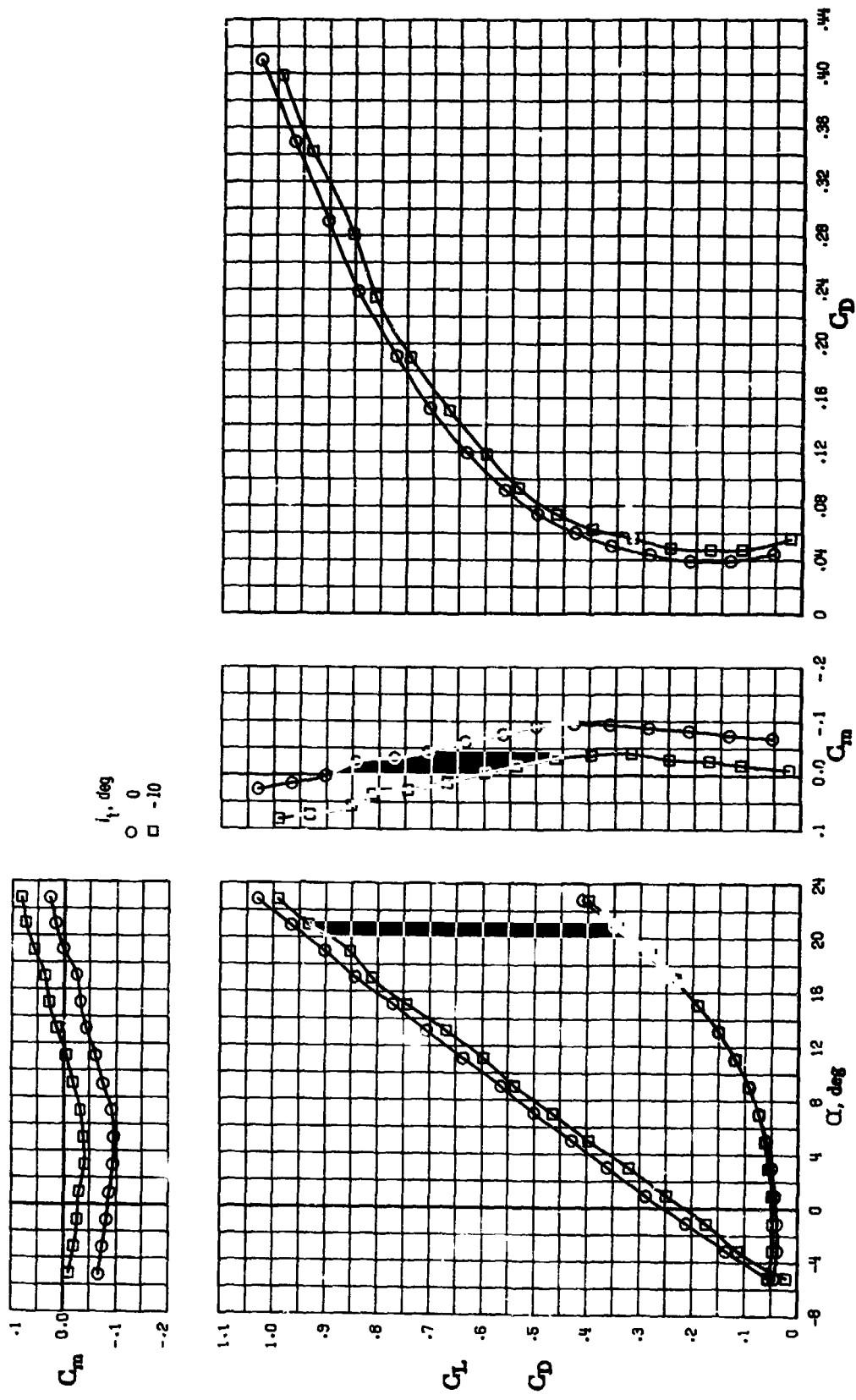


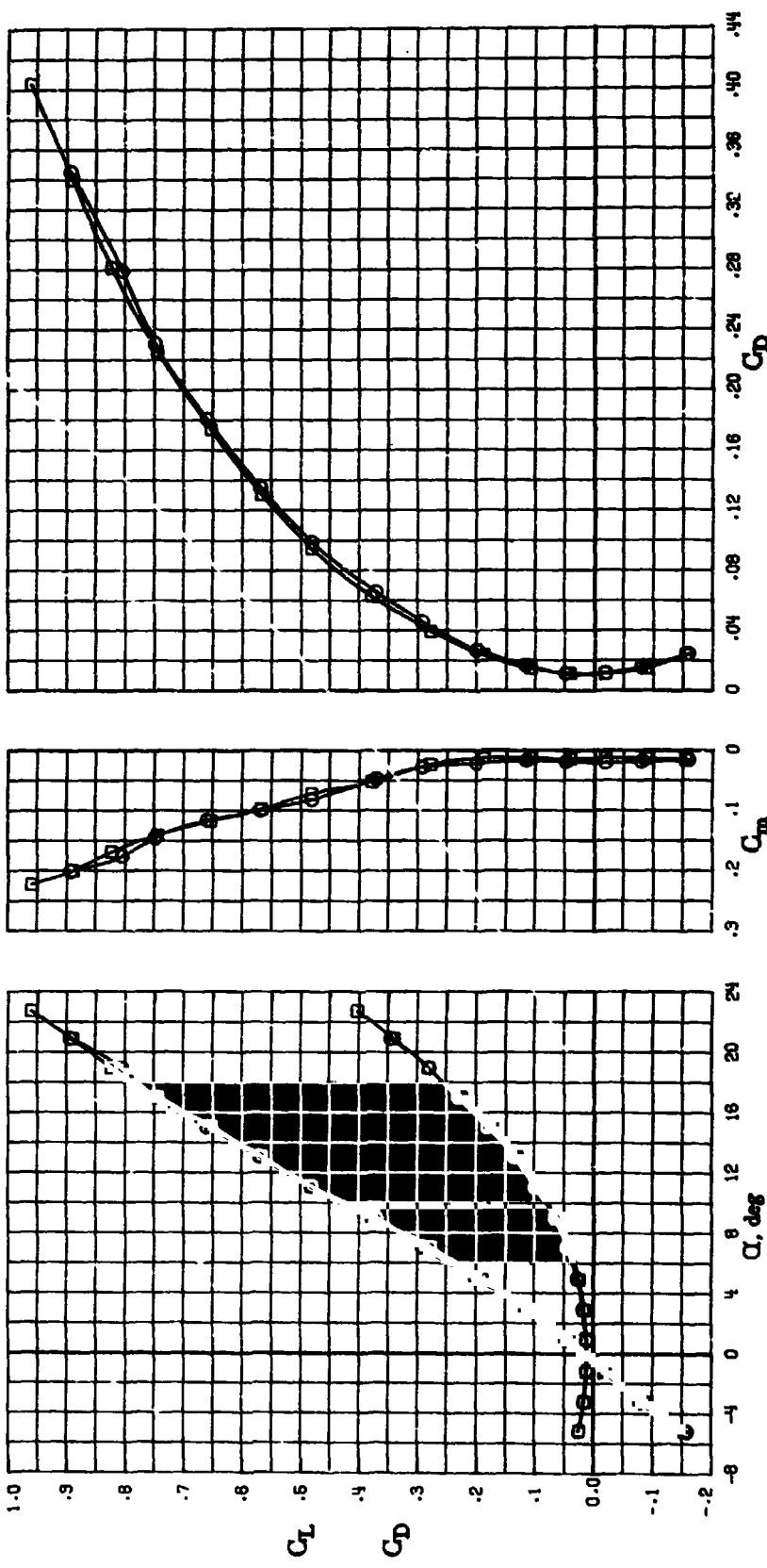
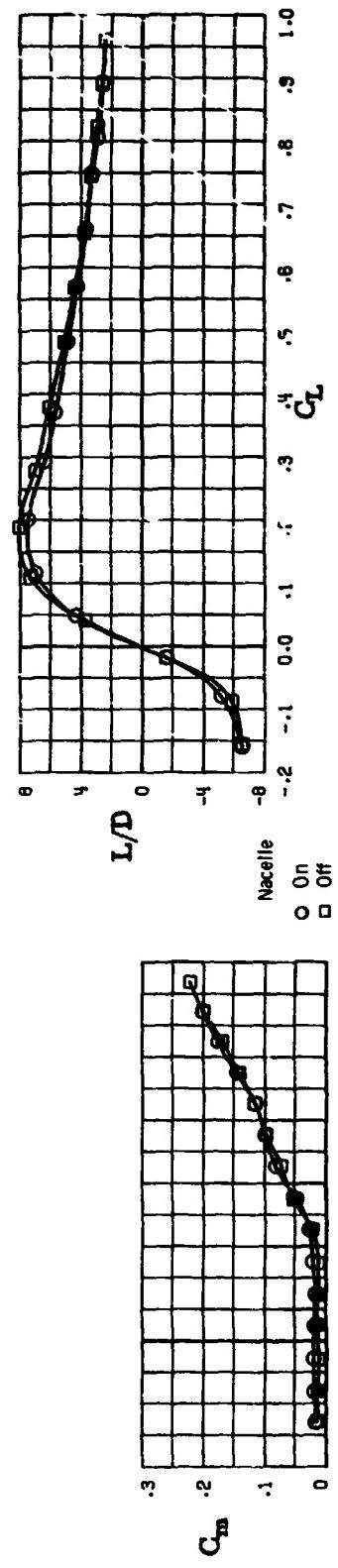
Figure 19. - Effect of deflecting horizontal tail,  $i_t = -10^\circ$  on several configurations.  
 $(\delta_t, \alpha_t) 1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$ ,  $\beta = 0^\circ$ .



(b)  $\delta_1, \delta_2 = 20^\circ; \delta_3 = 20^\circ$ .  
Figure 19.-Continued.

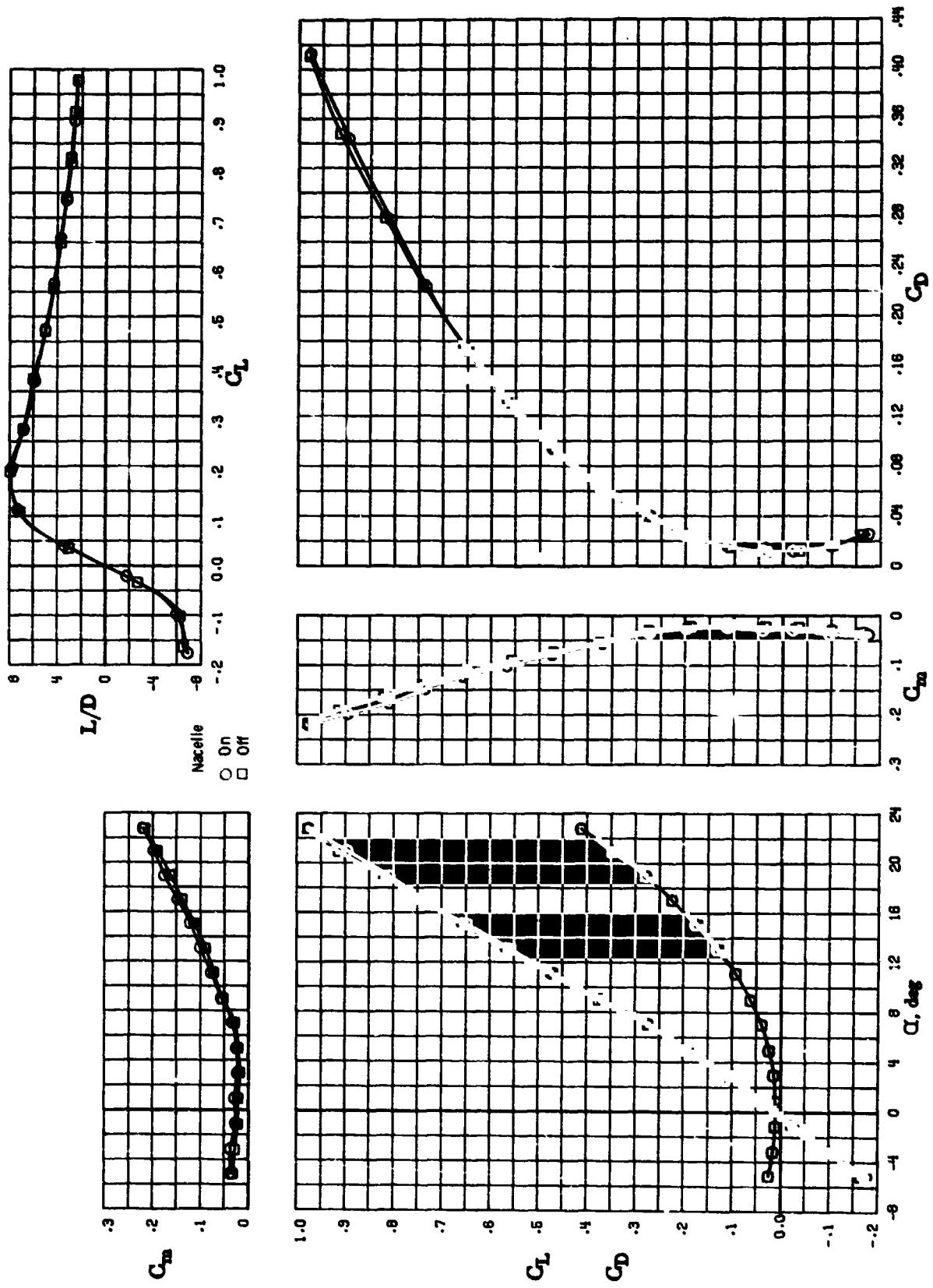


(c)  $\delta_t, \delta_e = 30^\circ$   
 Figure 19. - Concluded.



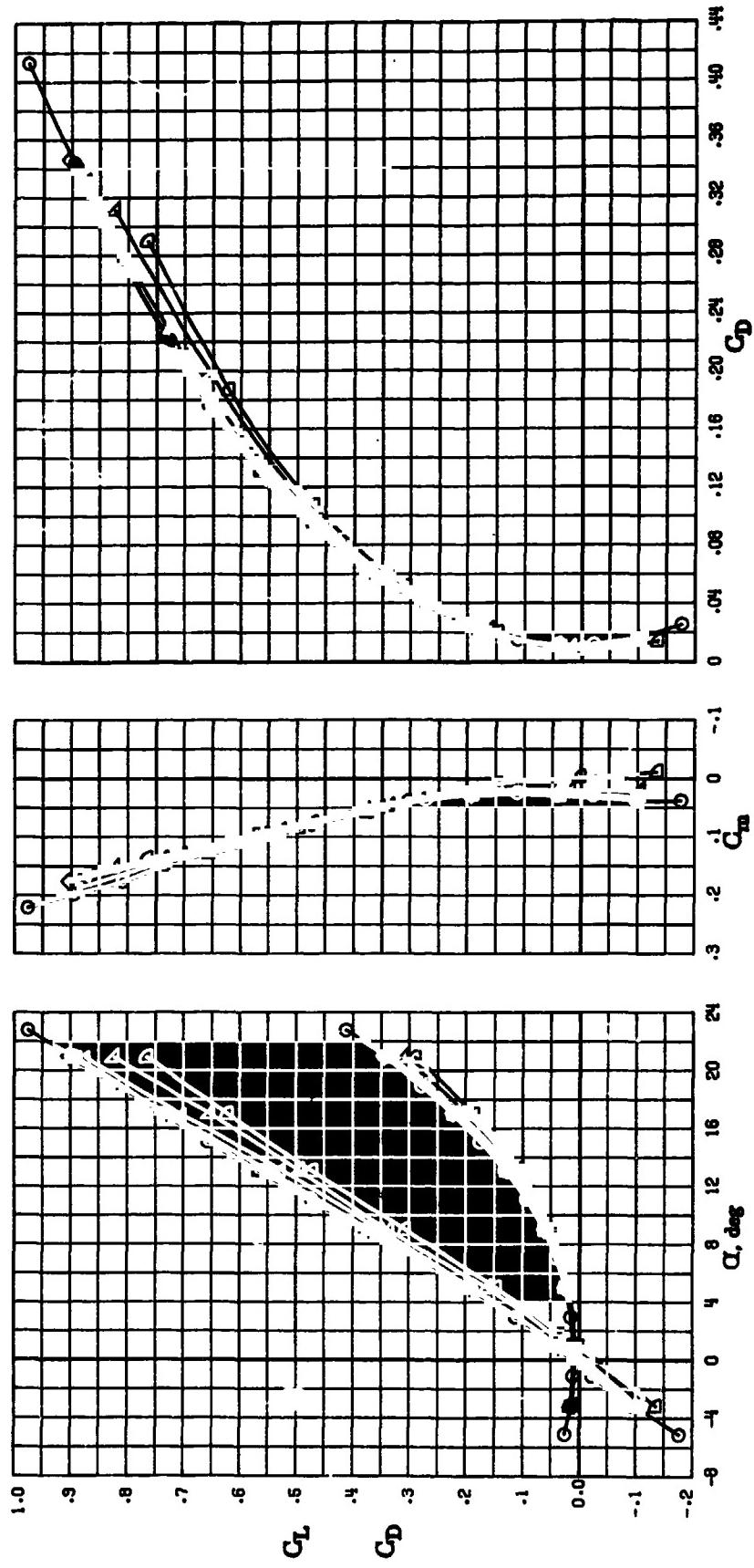
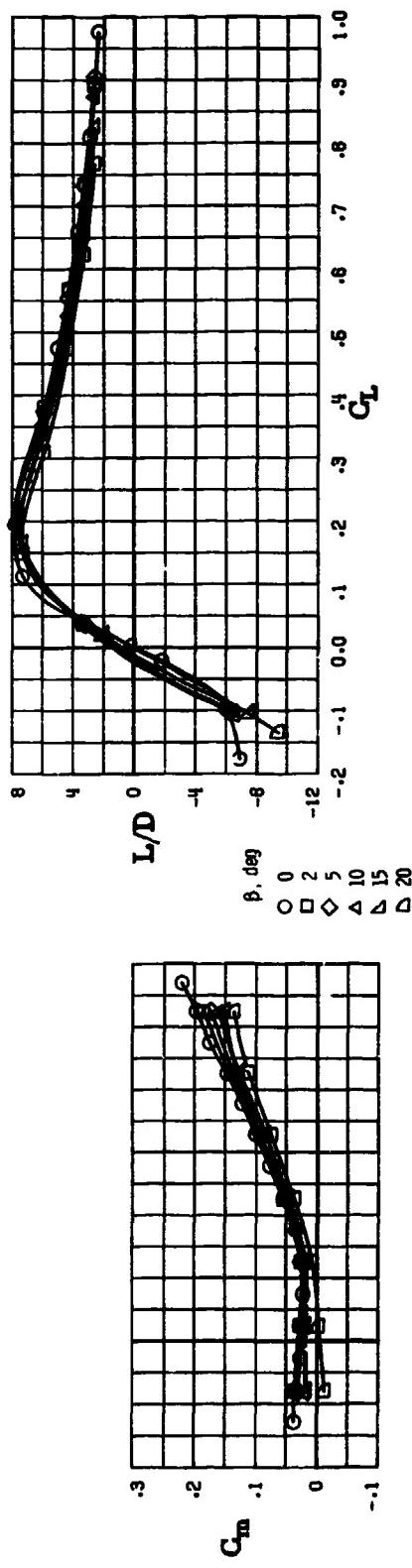
(a) Tail-off

Figure 20. - Effect of nacelle on longitudinal aerodynamic characteristics.  
 $\theta_f, \theta_h, 2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0, \phi_i = 0^\circ, \beta = 0^\circ$ .



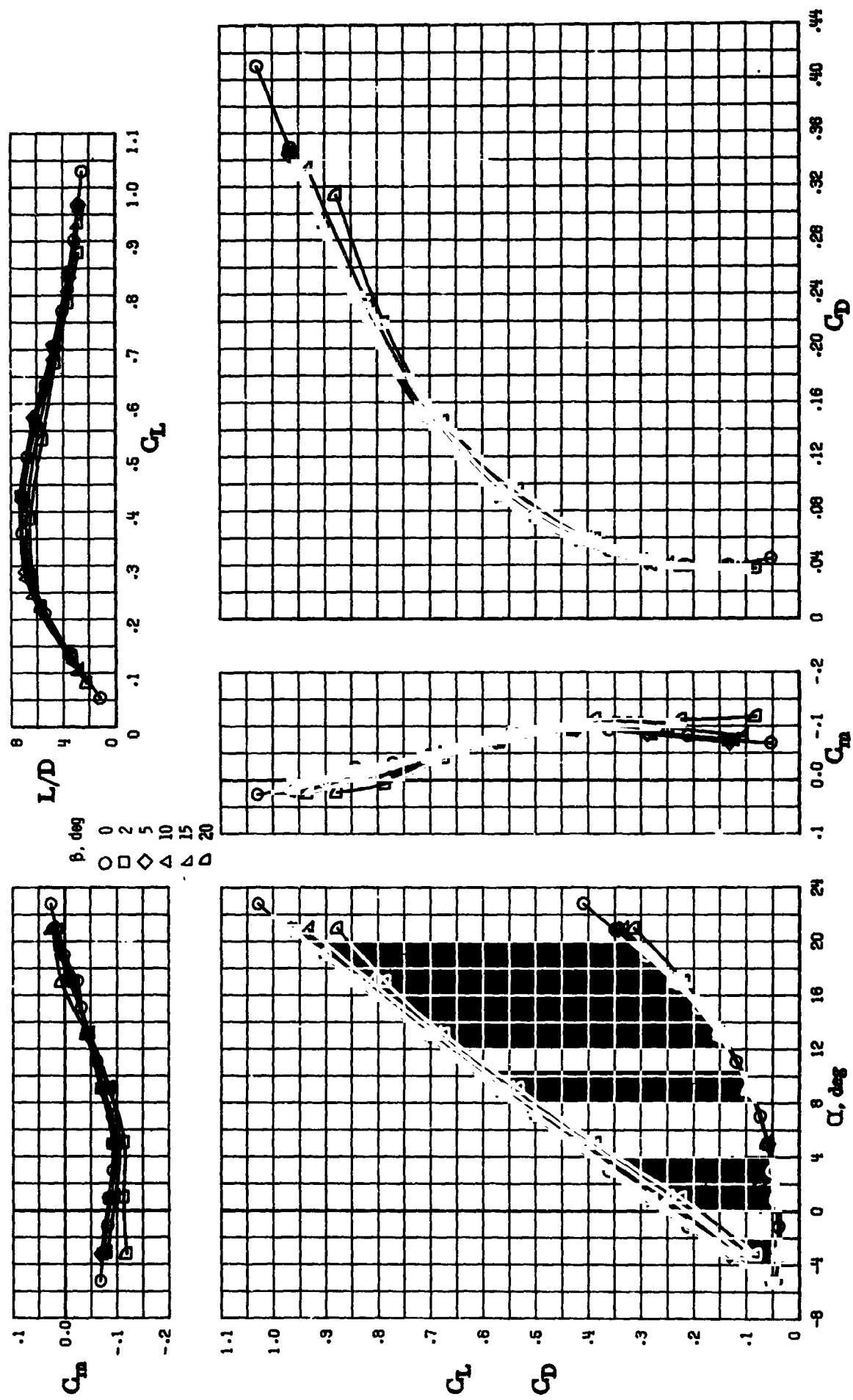
(b) Tail-on

Figure 20. - Concluded.



(a)  $\{\delta_{l, le}\}^1, 2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0 ; \delta_{l, 1e} = 0^\circ$

Figure 21. - Effect of sideslip on longitudinal aerodynamic characteristics. Tail-on.



(b)  $\{b_f, l_e\} = \{1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29\}; b_f, t_e = 30^\circ$

Figure 21. - Concluded.

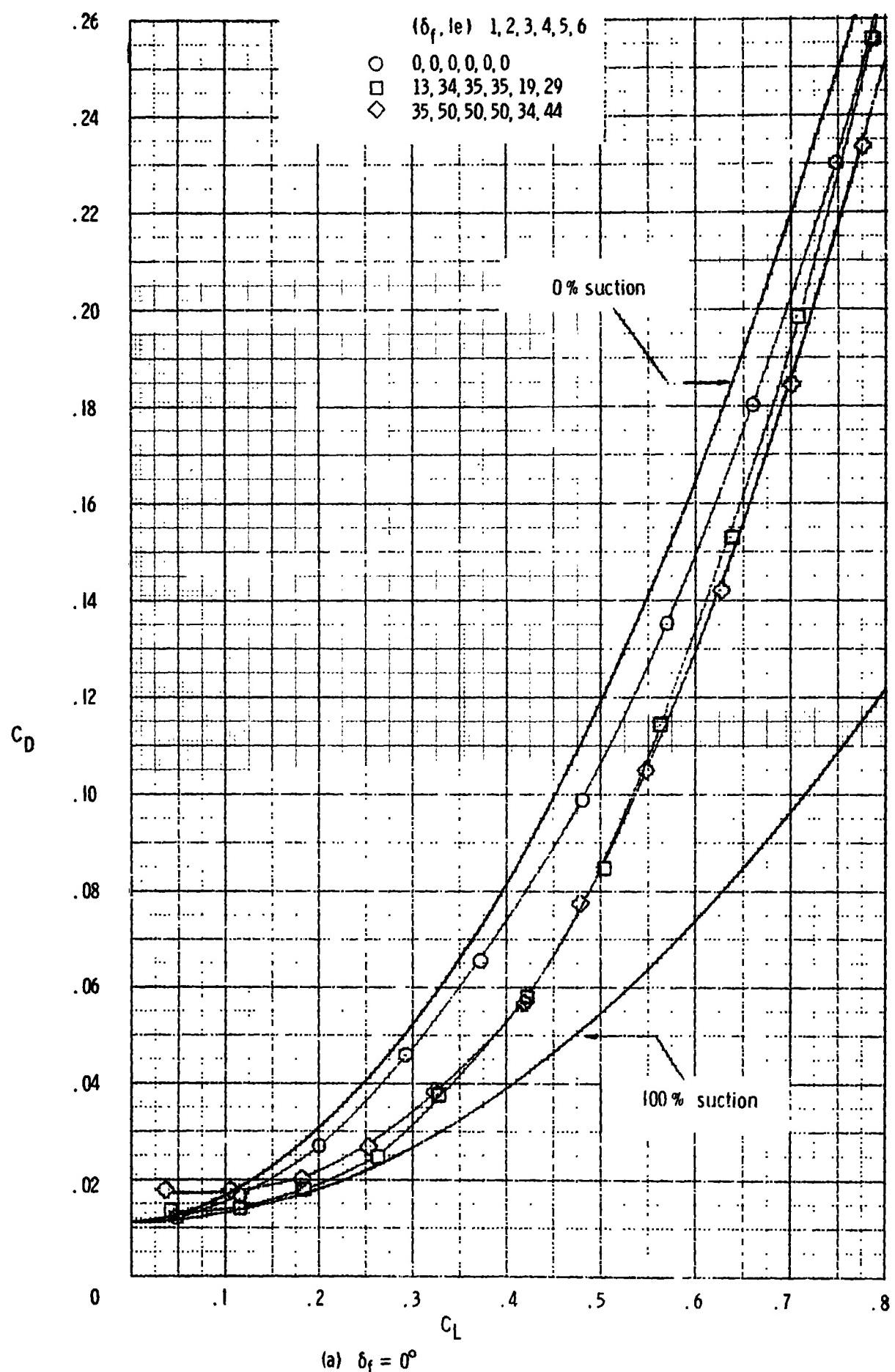


Figure 22. - Comparison of drag polars of various leading-edge configurations with the 0- per cent and 100-per cent leading-edge drag polars.

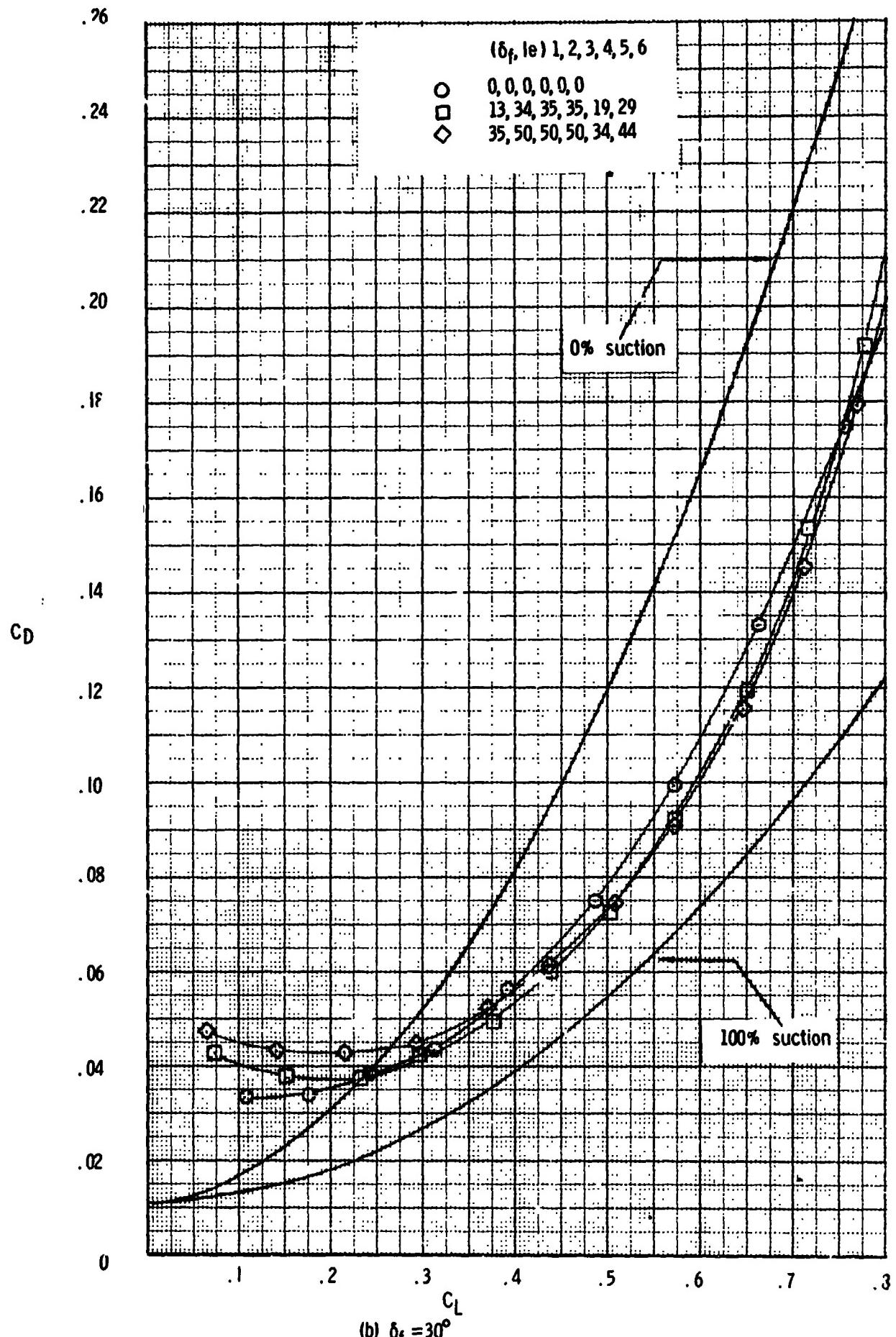
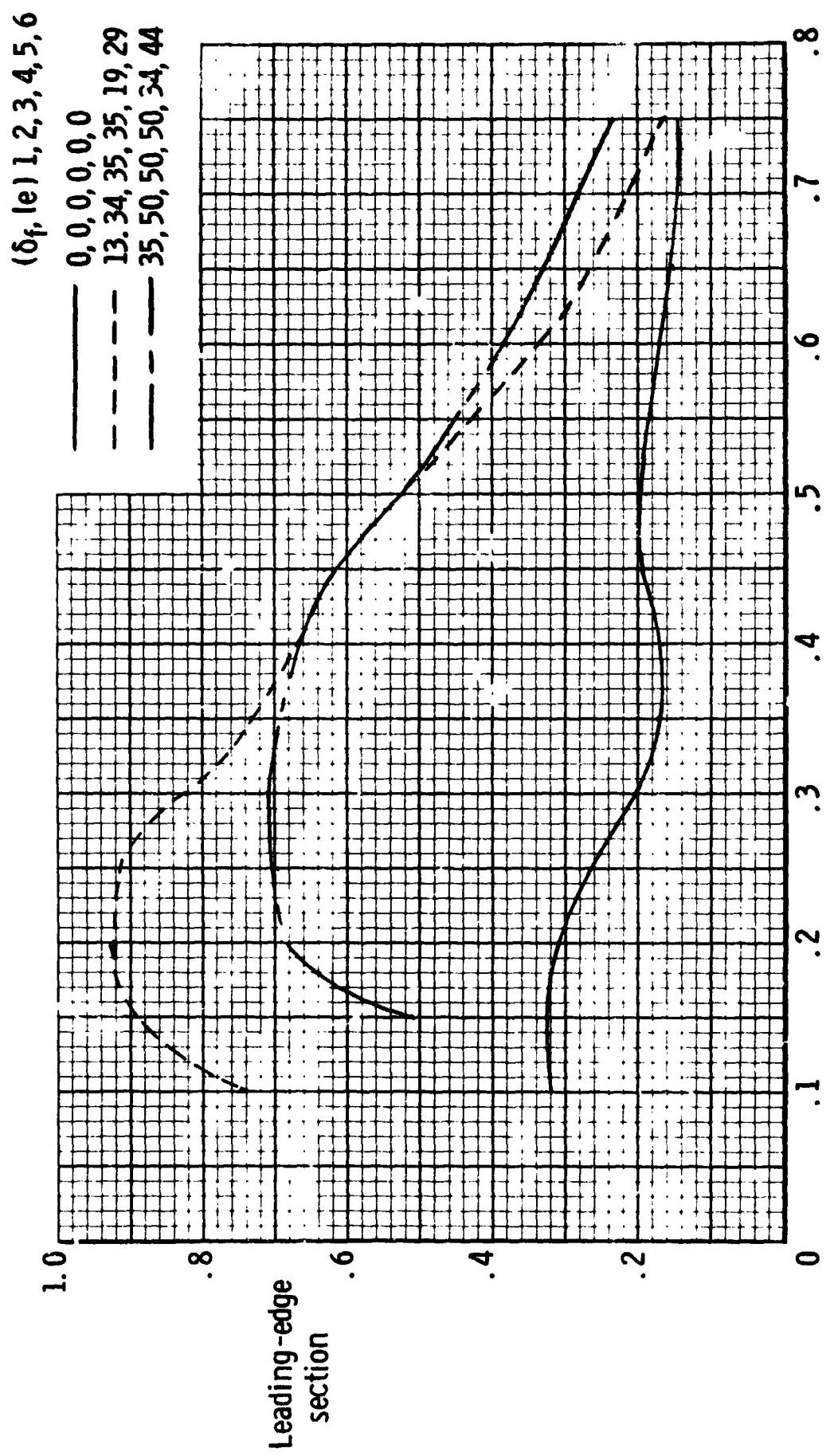
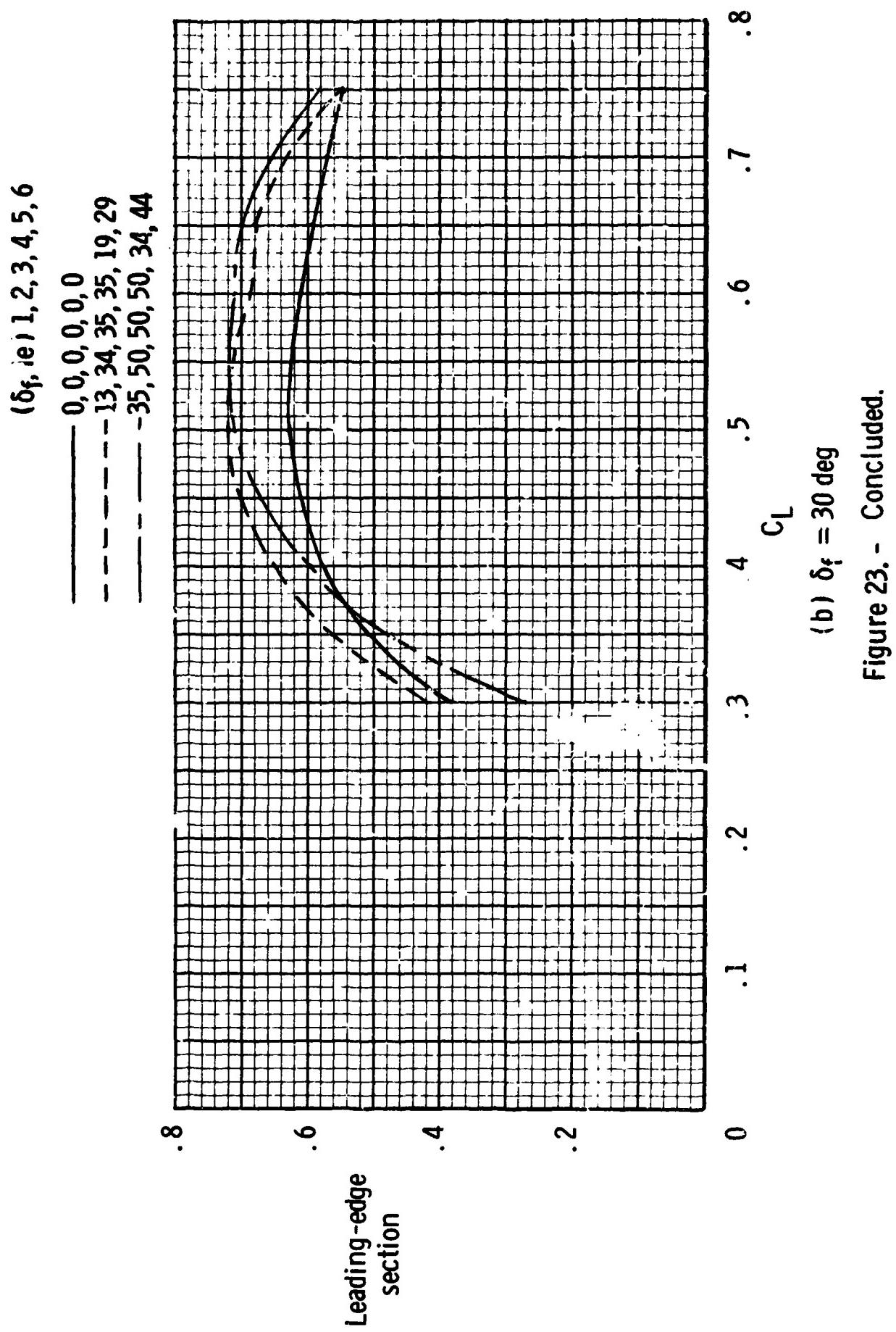


Figure 22. - Concluded.



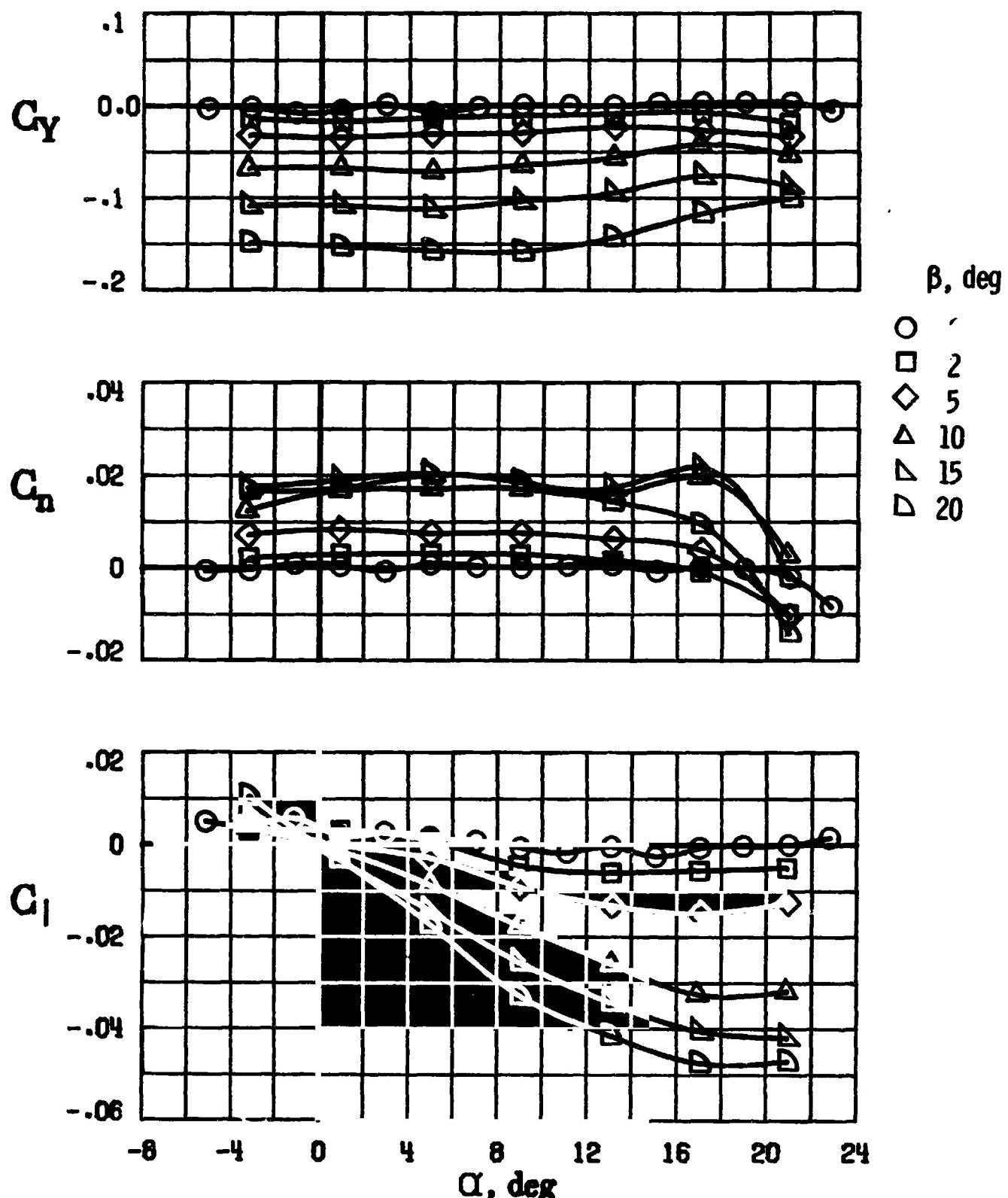
(a)  $\delta_f, \delta_e = 0^\circ$

Figure 23. - Fraction of full leading-edge suction of various leading-edge configurations.



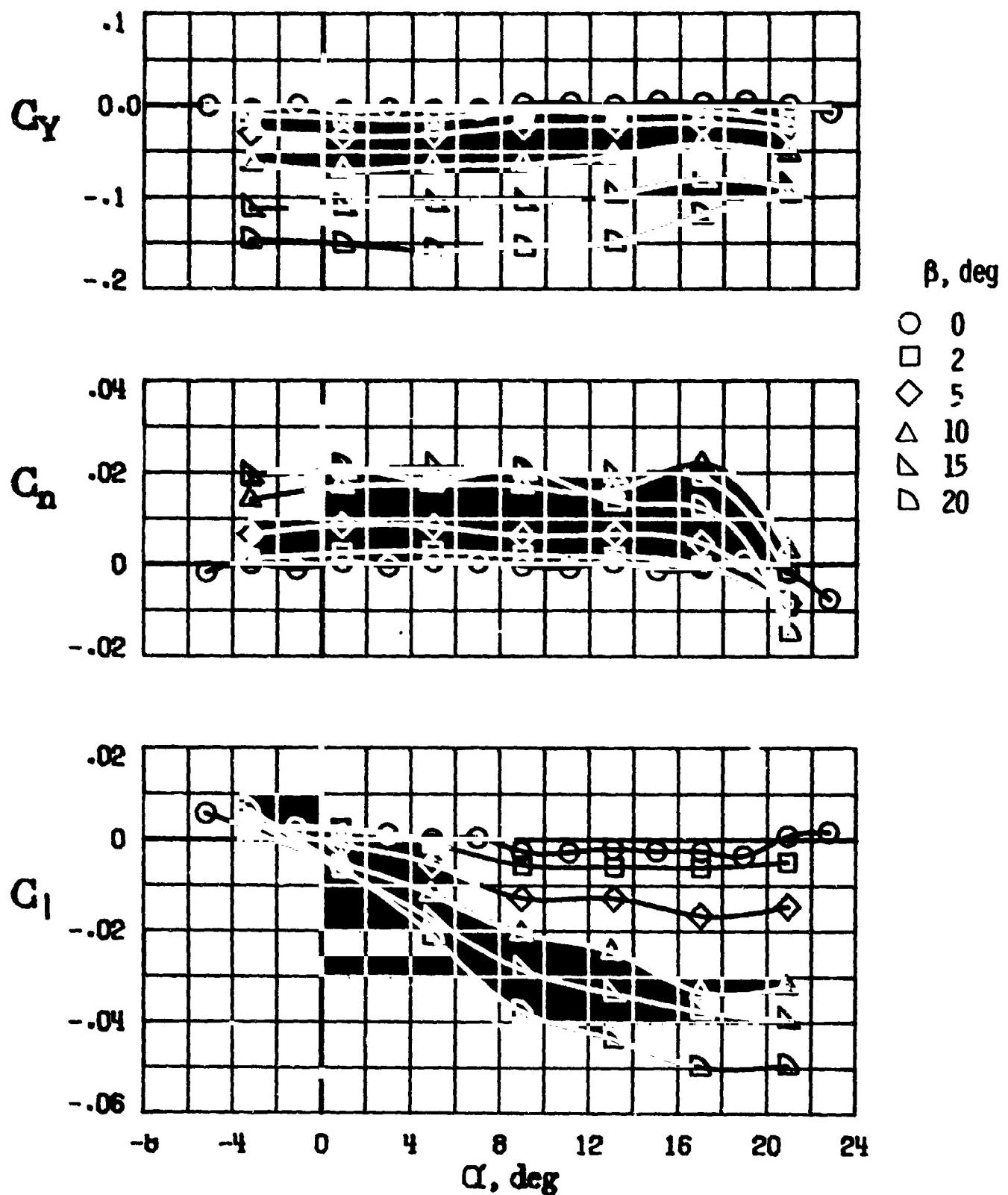
(b)  $\delta_f = 30$  deg

Figure 23. - Concluded.



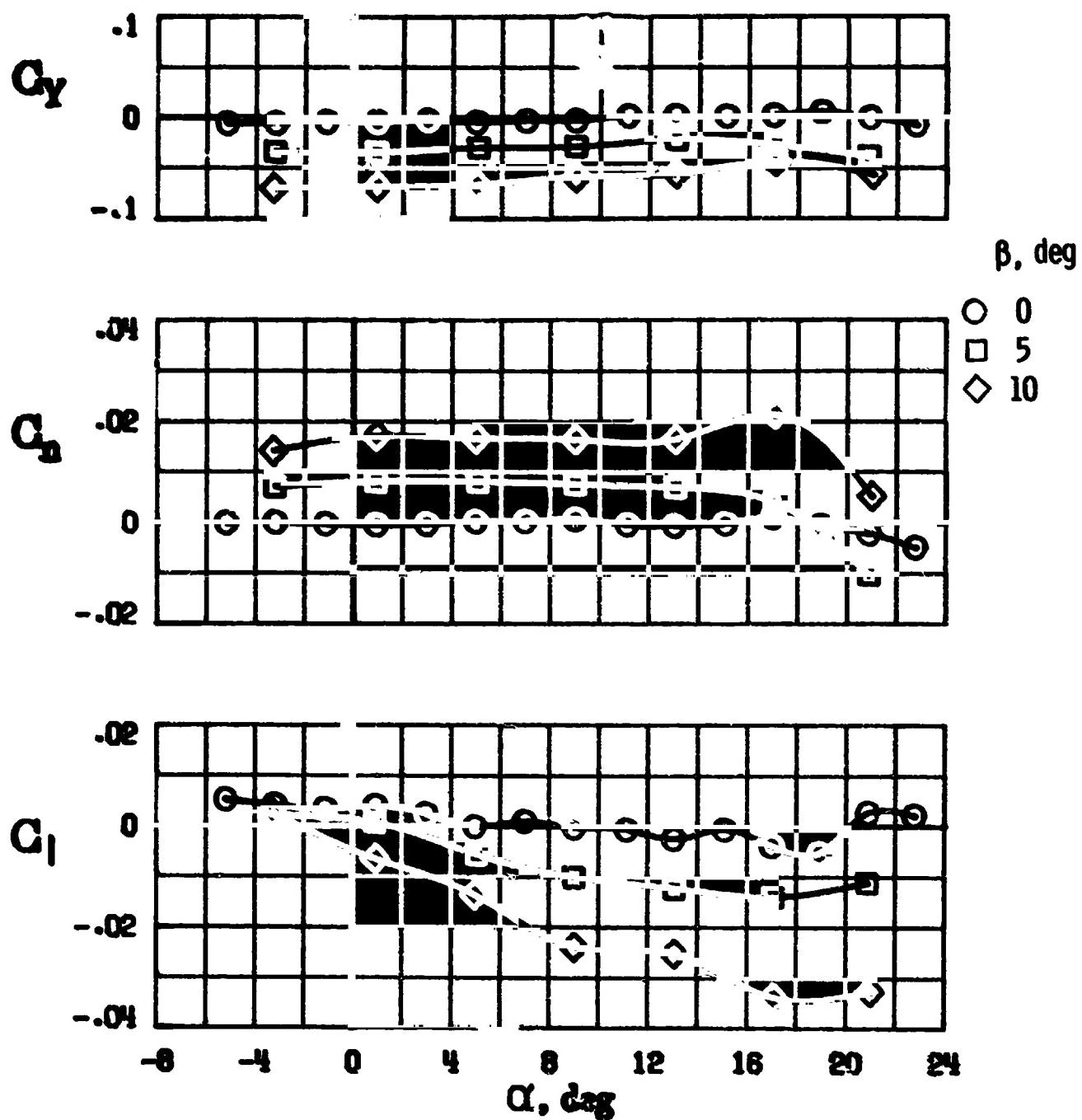
(a)  $\delta_f, t_e = 0^\circ$

Figure 24. - Effect of sideslip on lateral-directional aerodynamic characteristics of clean leading-edge configuration. Tail-on.



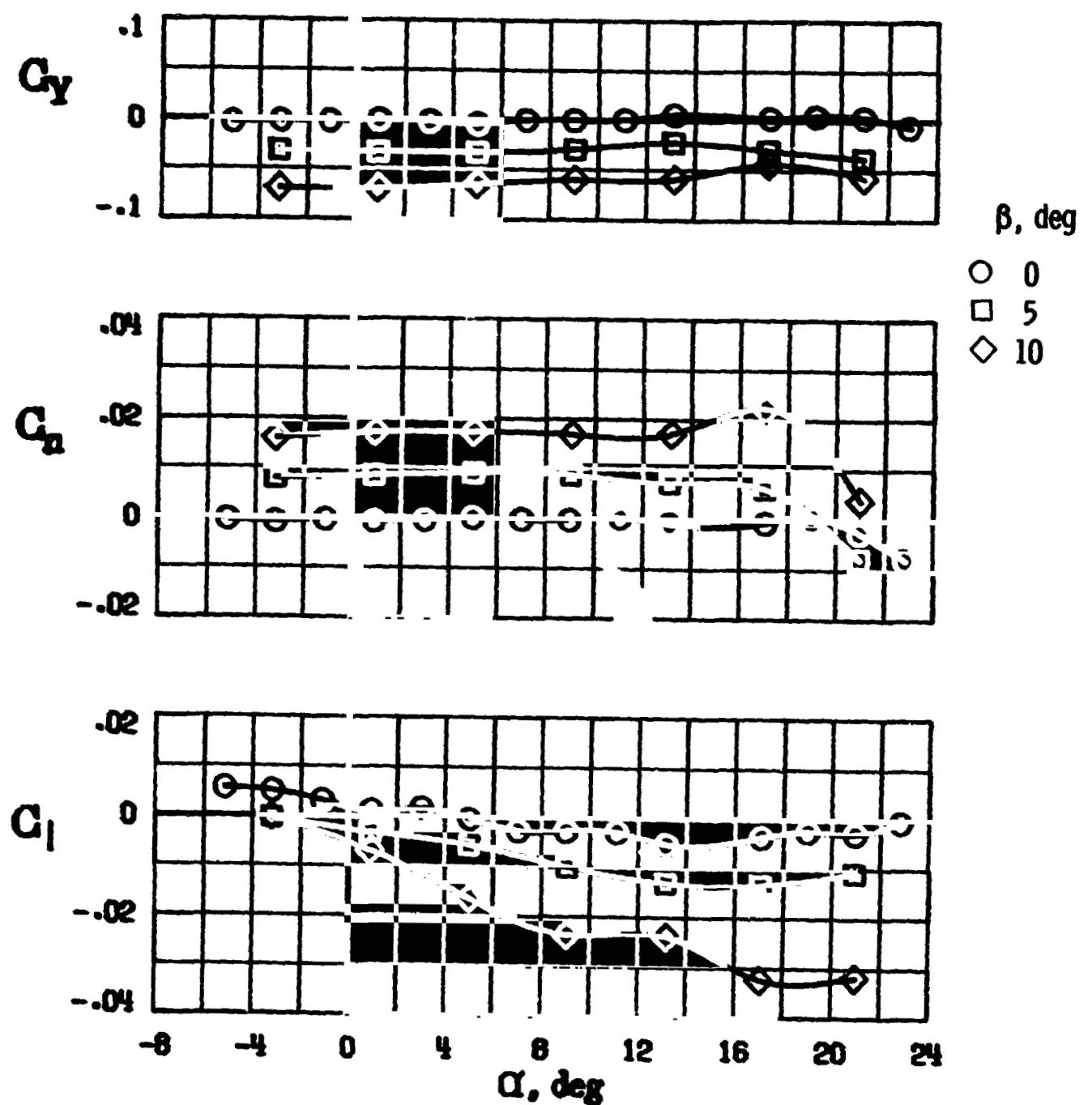
(b)  $\delta_f, t_e = 10^\circ$

Figure 24. - Continued.



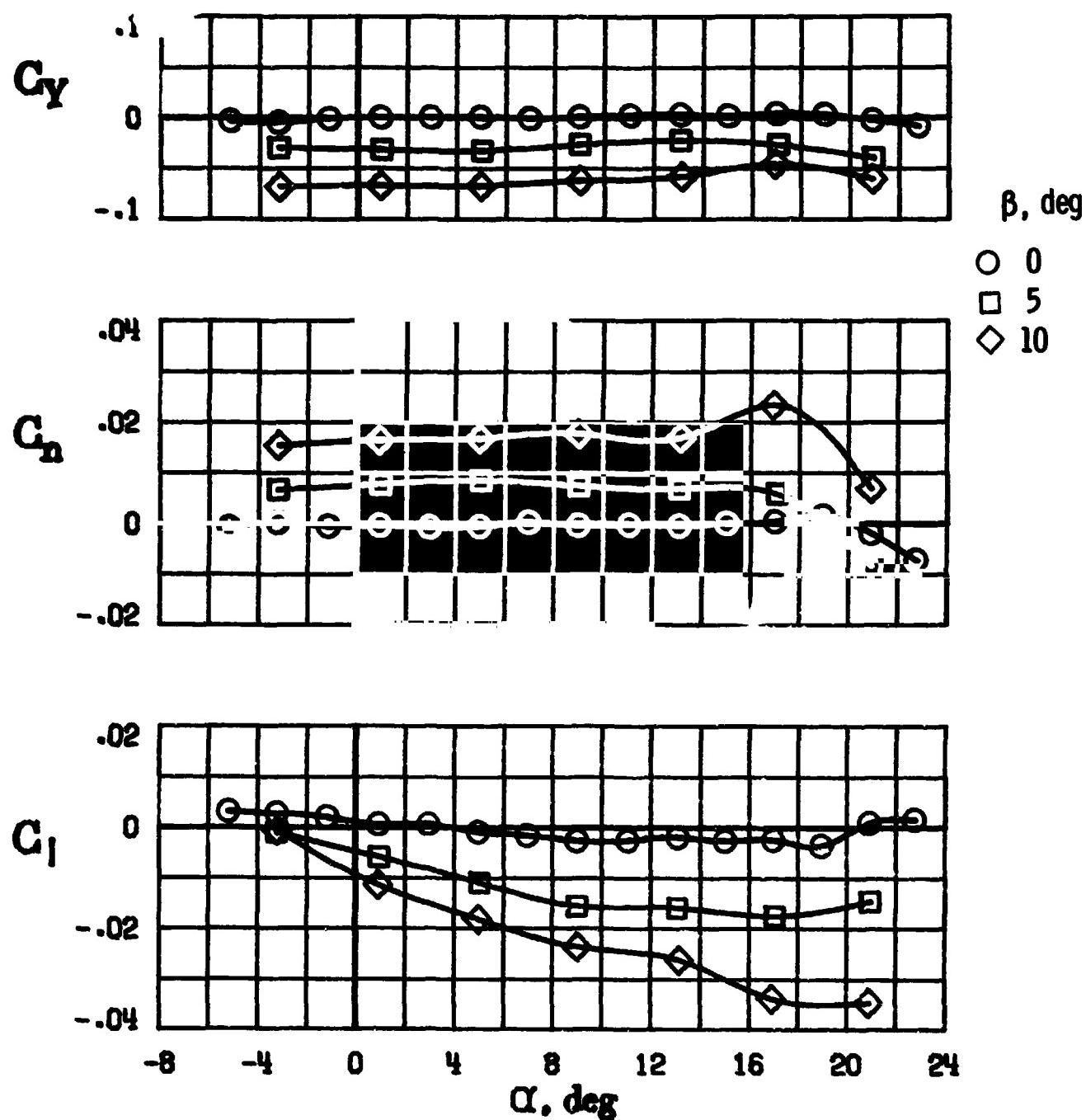
(c)  $\delta_{f, te} = 10^\circ$ ;  $\delta_a = +10^\circ$

Figure 24. - Continued.



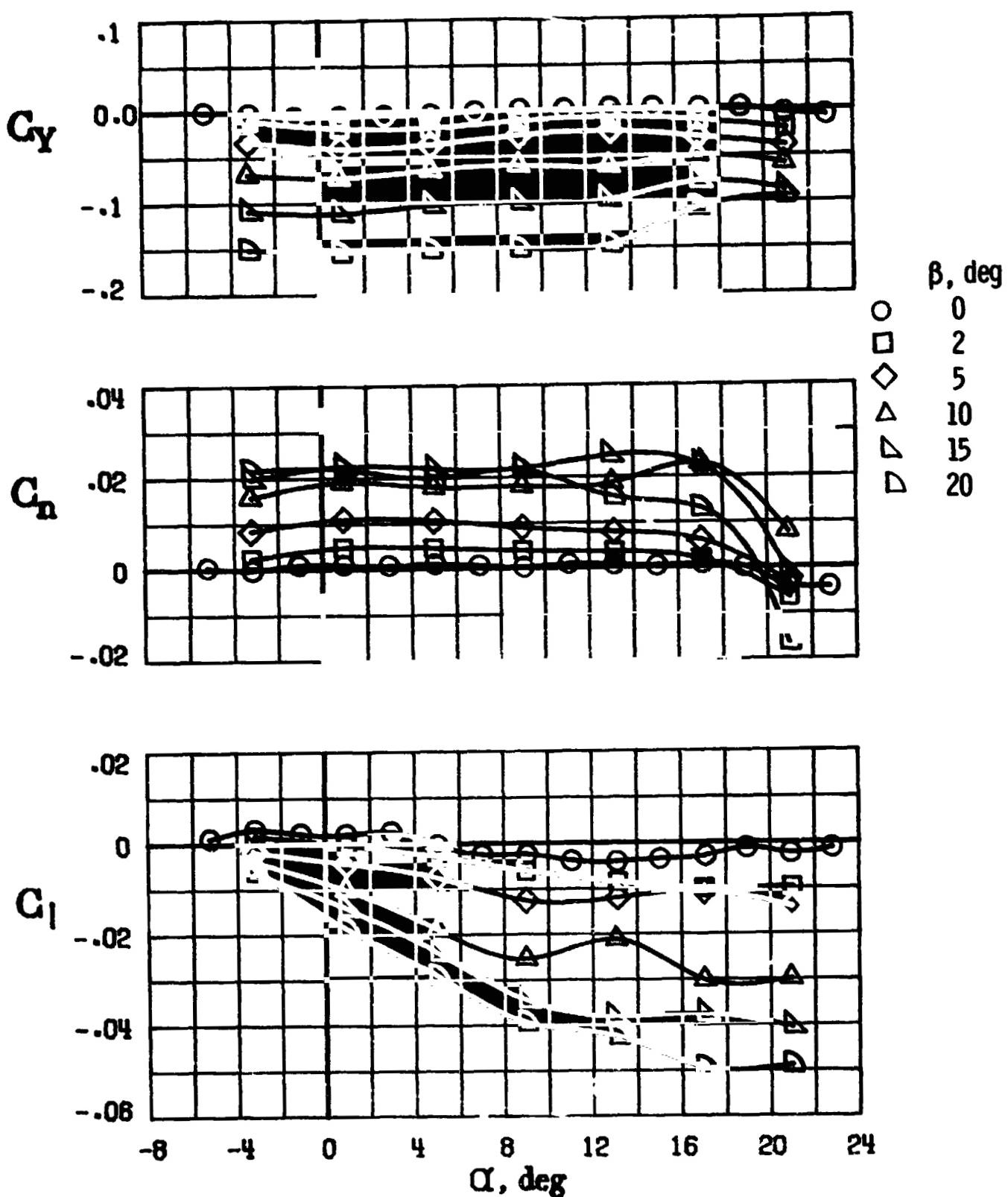
(d)  $\delta_{f, te} = 20^\circ$

Figure 24. - Continued.



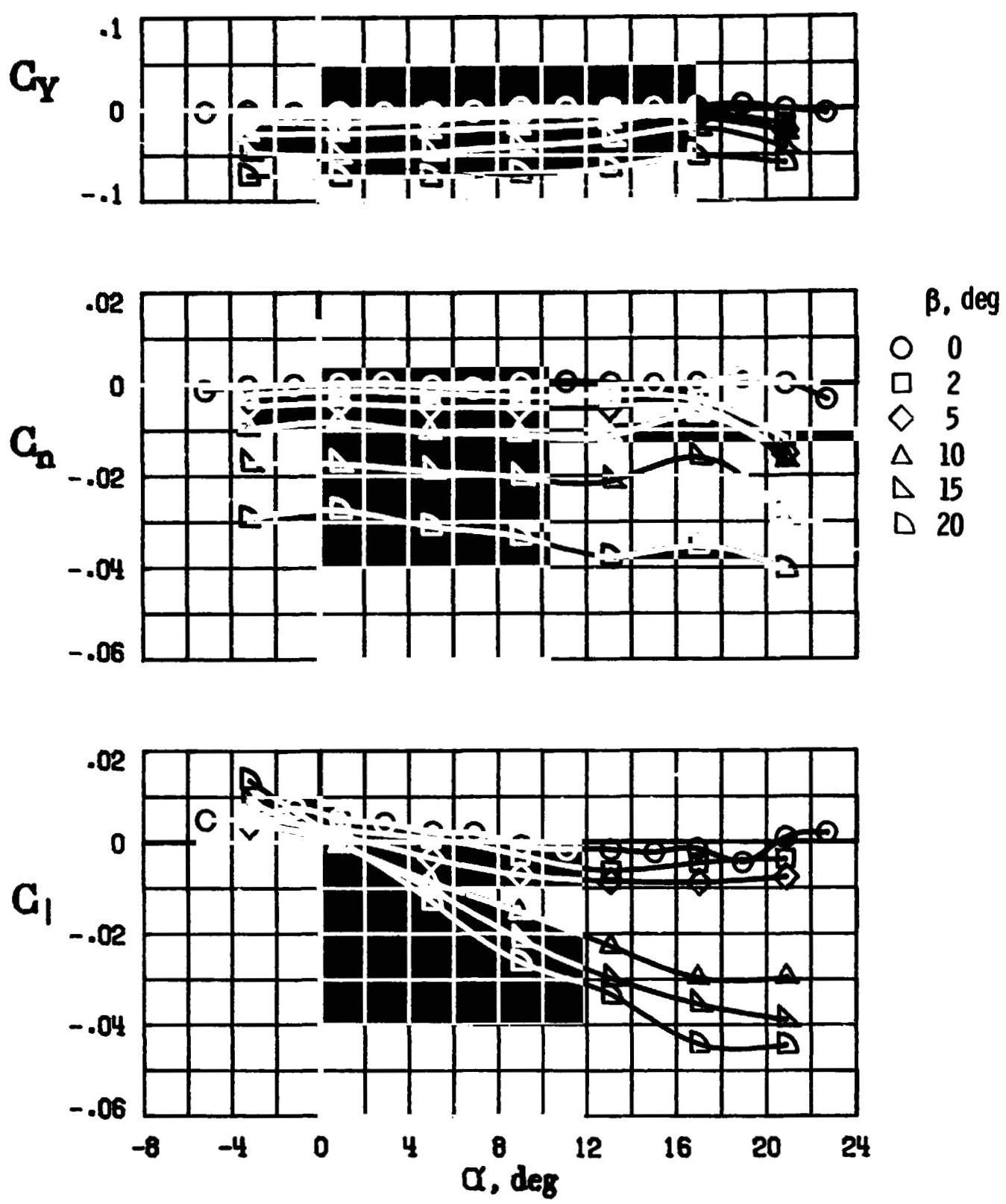
(e)  $\delta_f, \delta_e = 20^\circ$ ;  $\delta_a = +20^\circ$

Figure 24. - Continued.



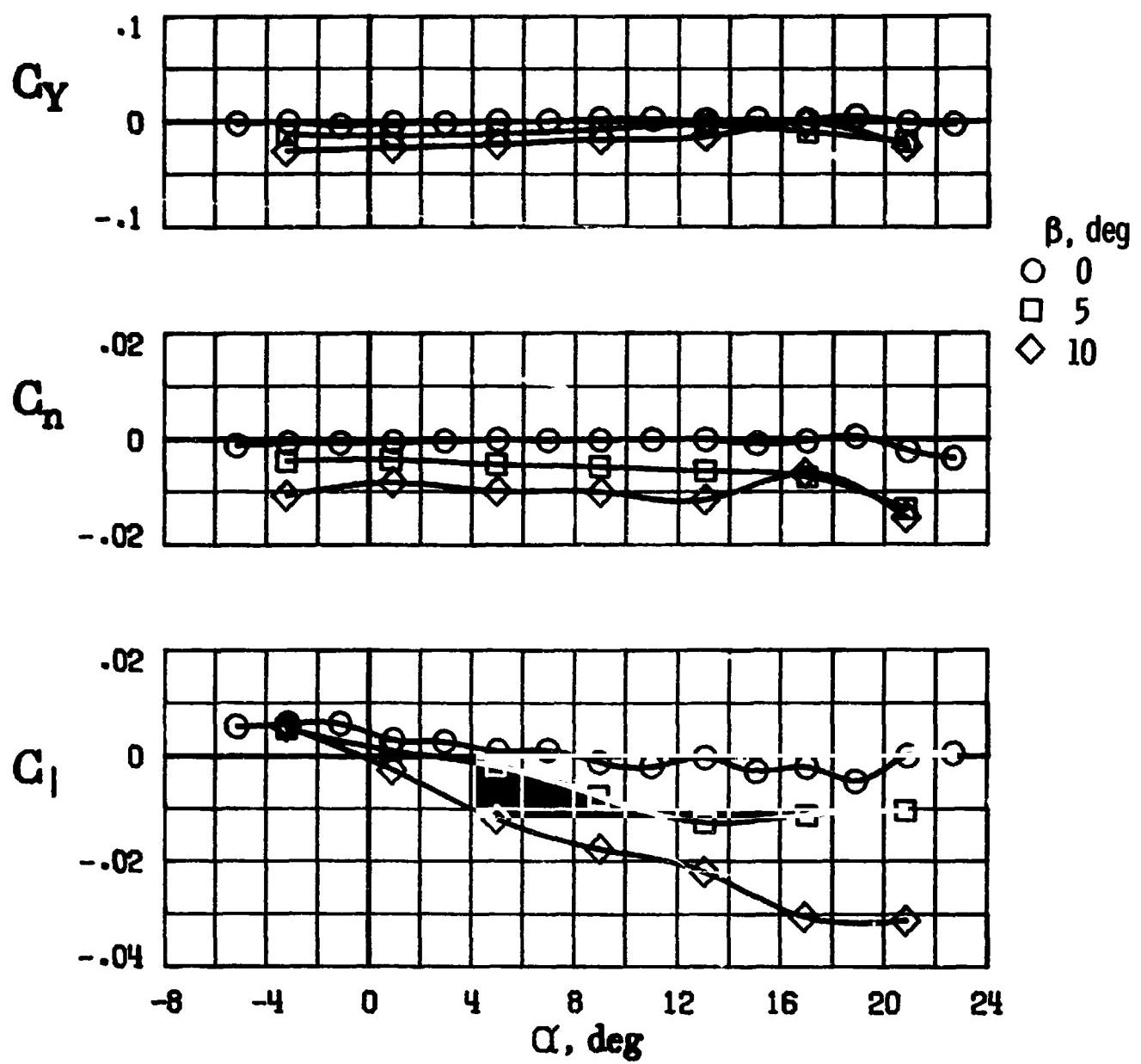
(f)  $\delta_{f, te} = 30^\circ$

Figure 24. - Concluded.



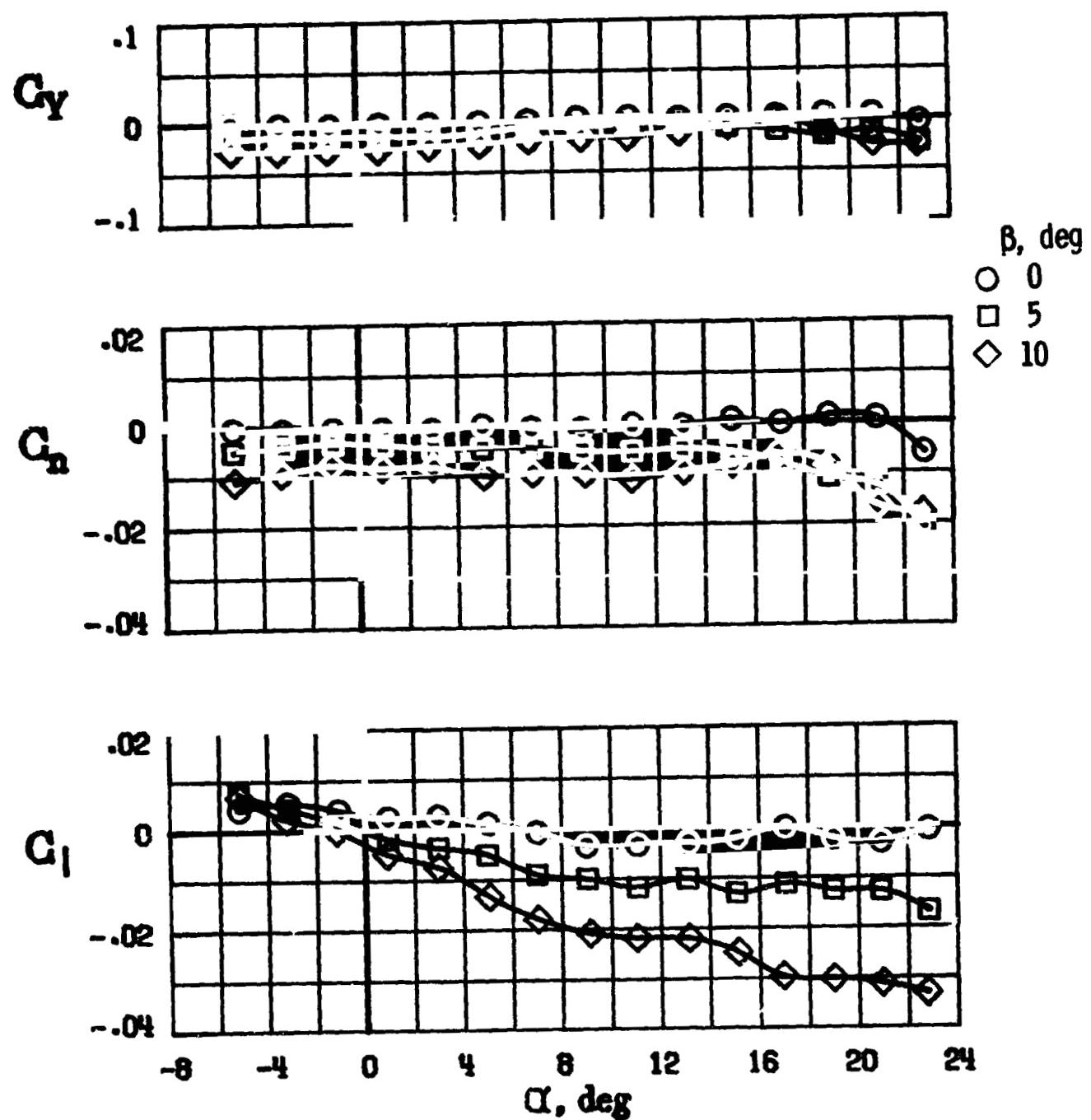
(a)  $\delta_{f, te} = 10^\circ$

Figure 25. - Effect of sideslip on lateral-directional aerodynamic characteristics of clean leading-edge configuration. Tail - off.



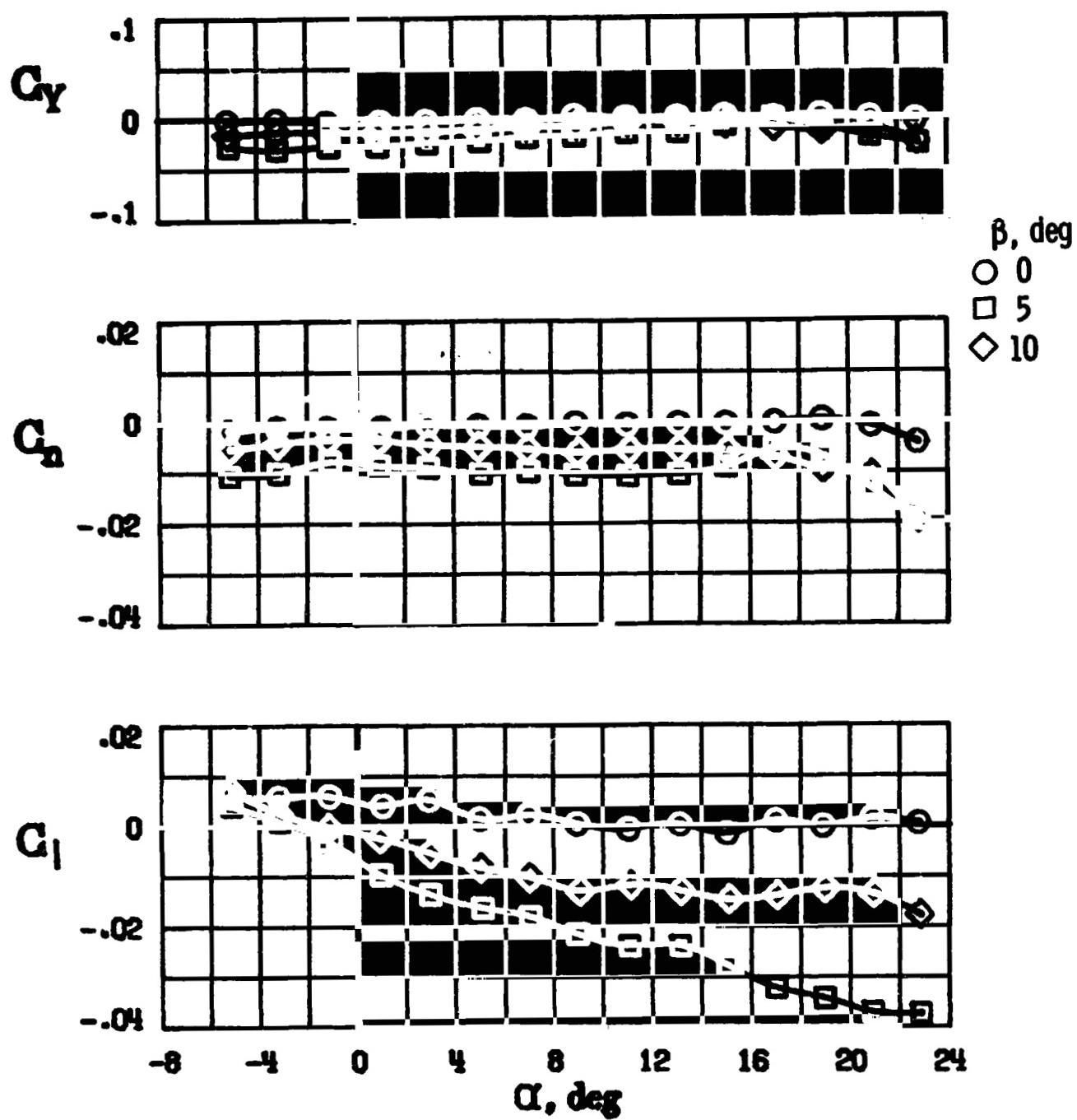
(b)  $\delta_{f, te} = 10^\circ$ ;  $\delta_a = +10^\circ$

Figure 25. - Continued.



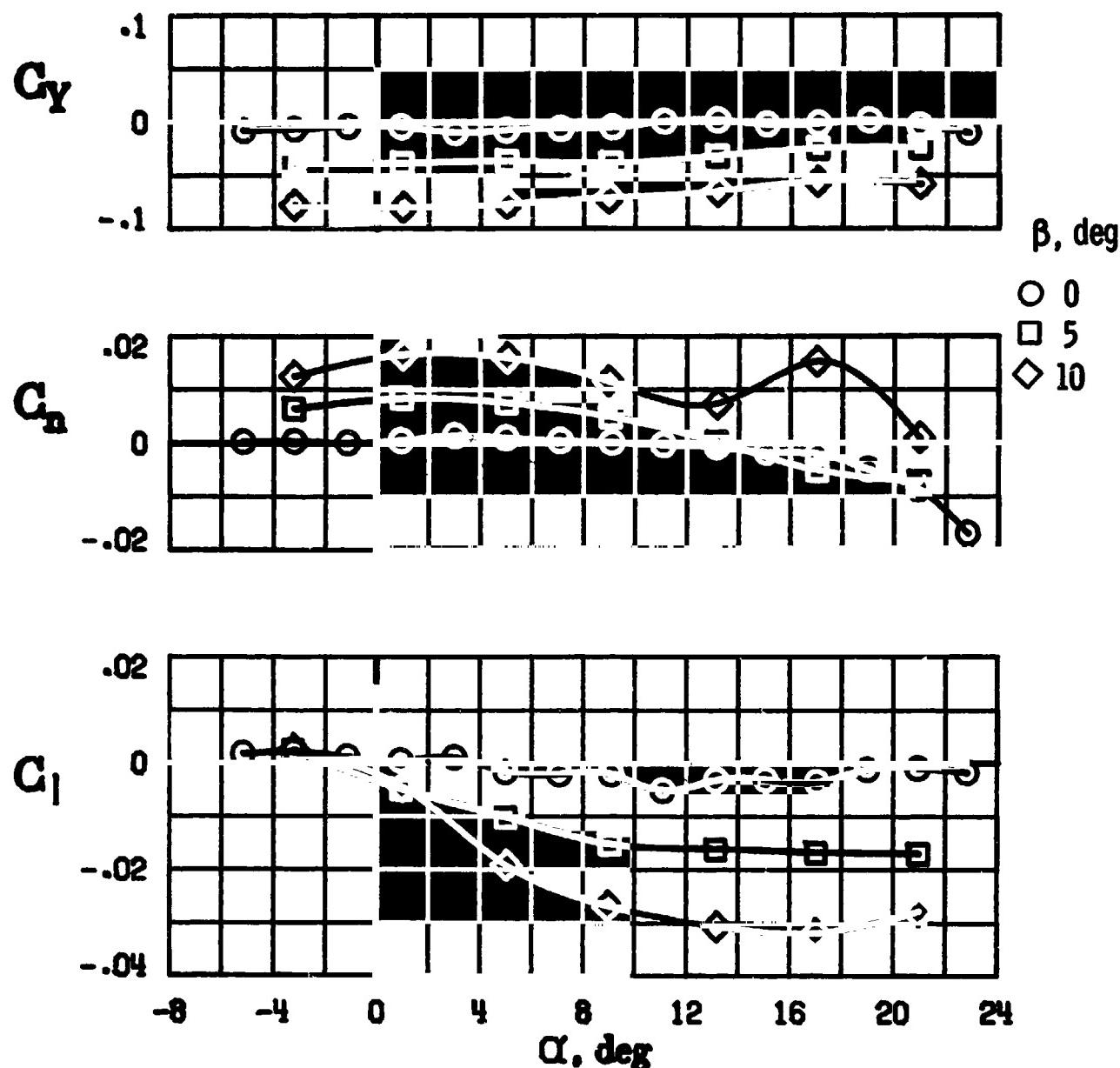
(c)  $\delta_{f, te} = 20^\circ$

Figure 25. - Continued.



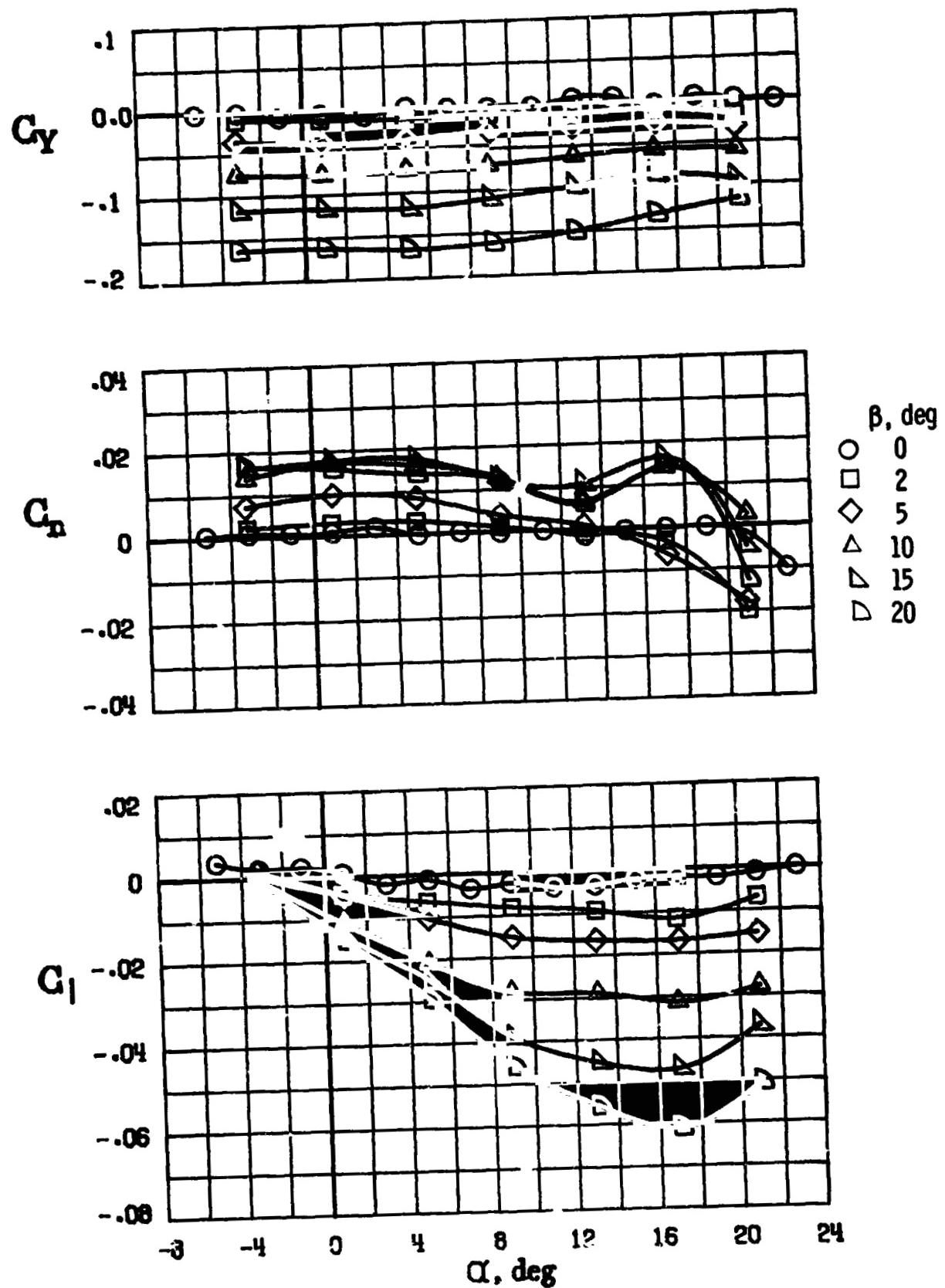
(d)  $\delta_f, t_e = 20^\circ$  ;  $\delta_a = +20^\circ$

Figure 25. - Concluded.



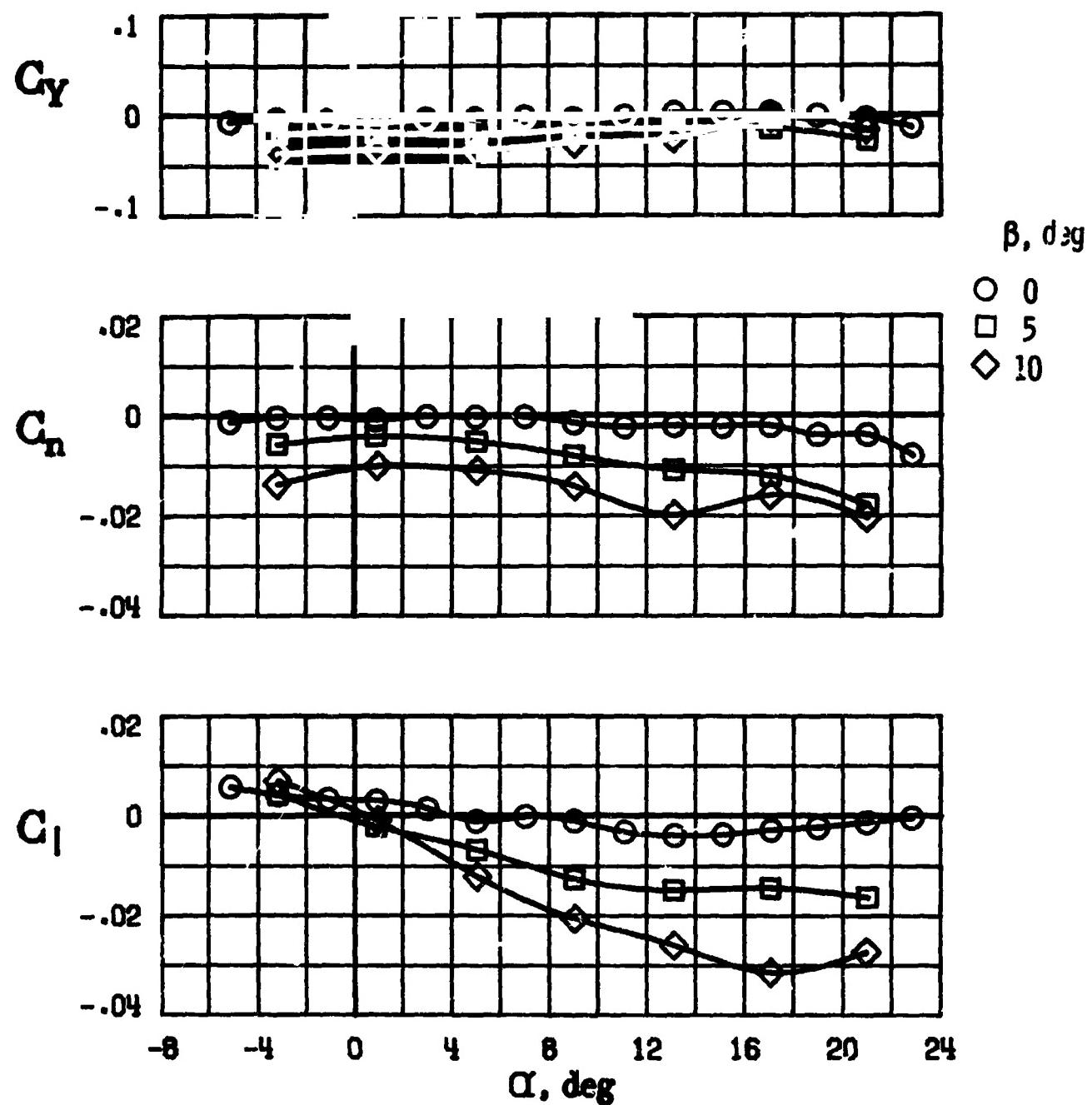
(a)  $\delta_f, t_e = 20^\circ$

Figure 26. - Effect of sideslip on lateral- directional aerodynamic characteristics.  
 $(\delta_f, t_e) | 1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29, .$  Tail-on.



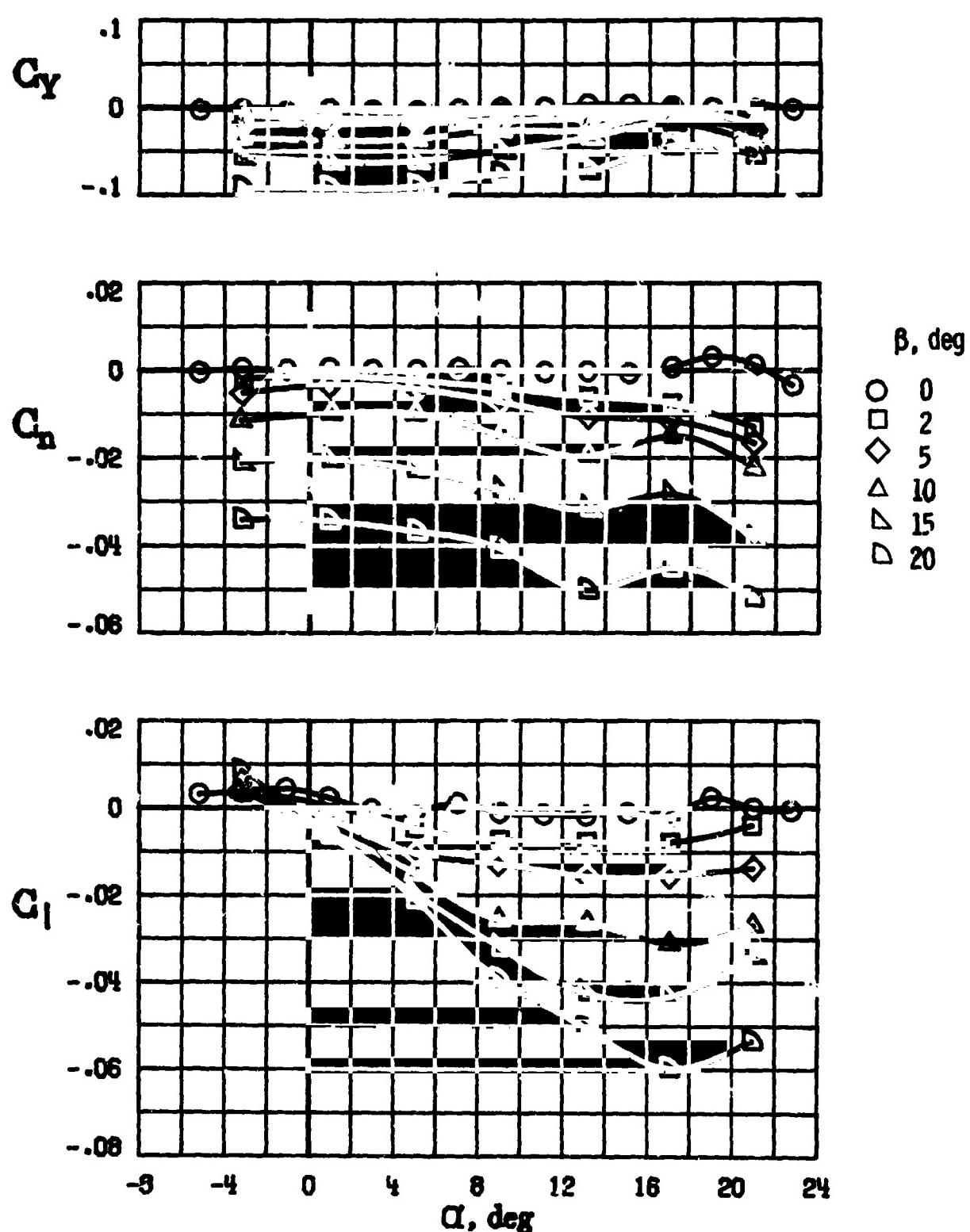
(b)  $\delta_f, t_e = 30^\circ$

Figure 26. - Concluded.



(a)  $\delta_{f, te} = 20^\circ$

Figure 27. - Effect of sideslip on lateral-directional aerodynamic characteristics.  
 $(\delta_f, \text{le})_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29, .$  Tail-off.



(b)  $\delta_{f,te} = 30^\circ$

Figure 27. - Concluded.

$\delta_{f, le}$ , deg	1	2	3	4	5	6
○	0	0	0	0	0	0
□	13	34	35	35	19	29

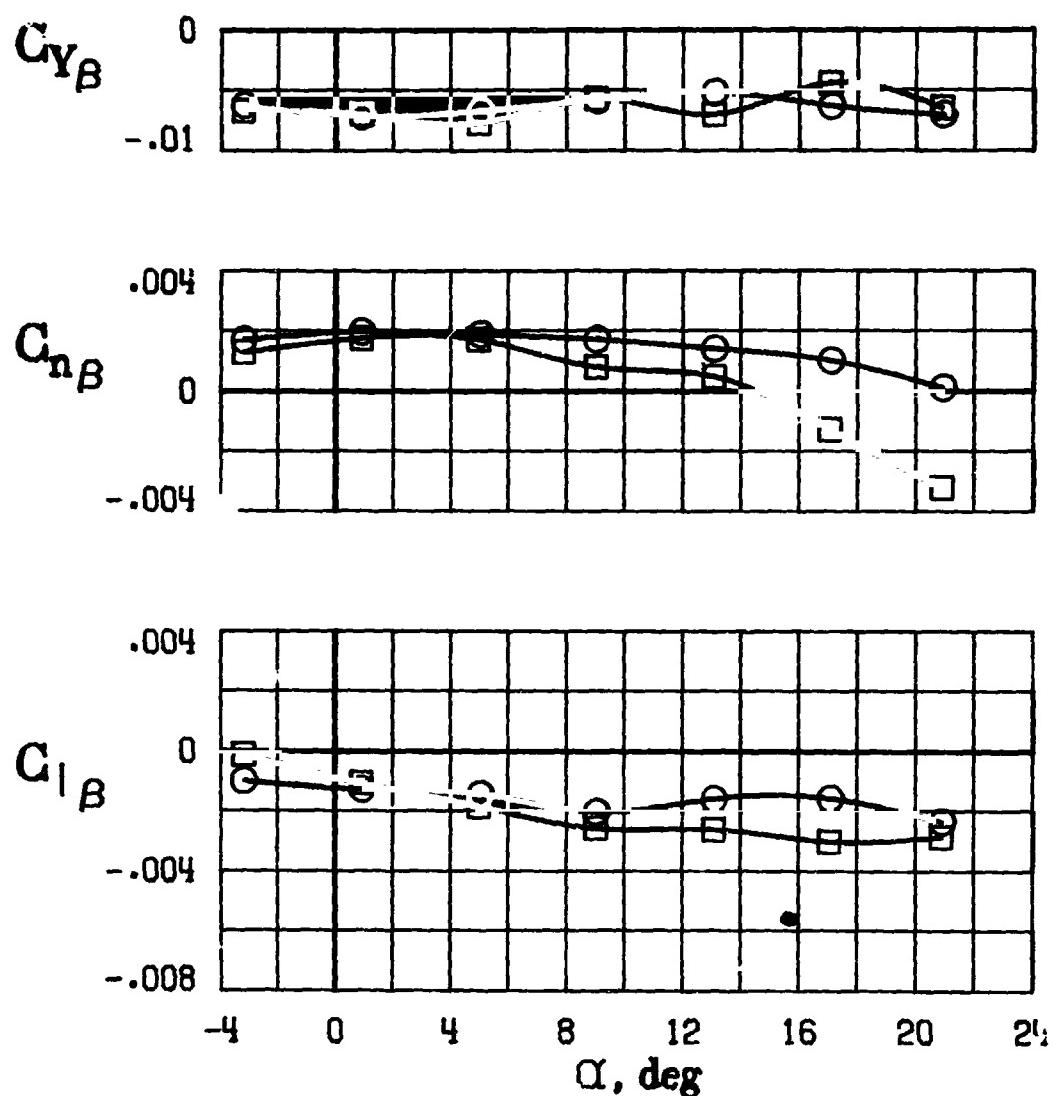


Figure 28. - Effect of leading-edge deflection on lateral-directional stability derivatives.  
 $\delta_{f, le} = 30^\circ$ . Tail-on.

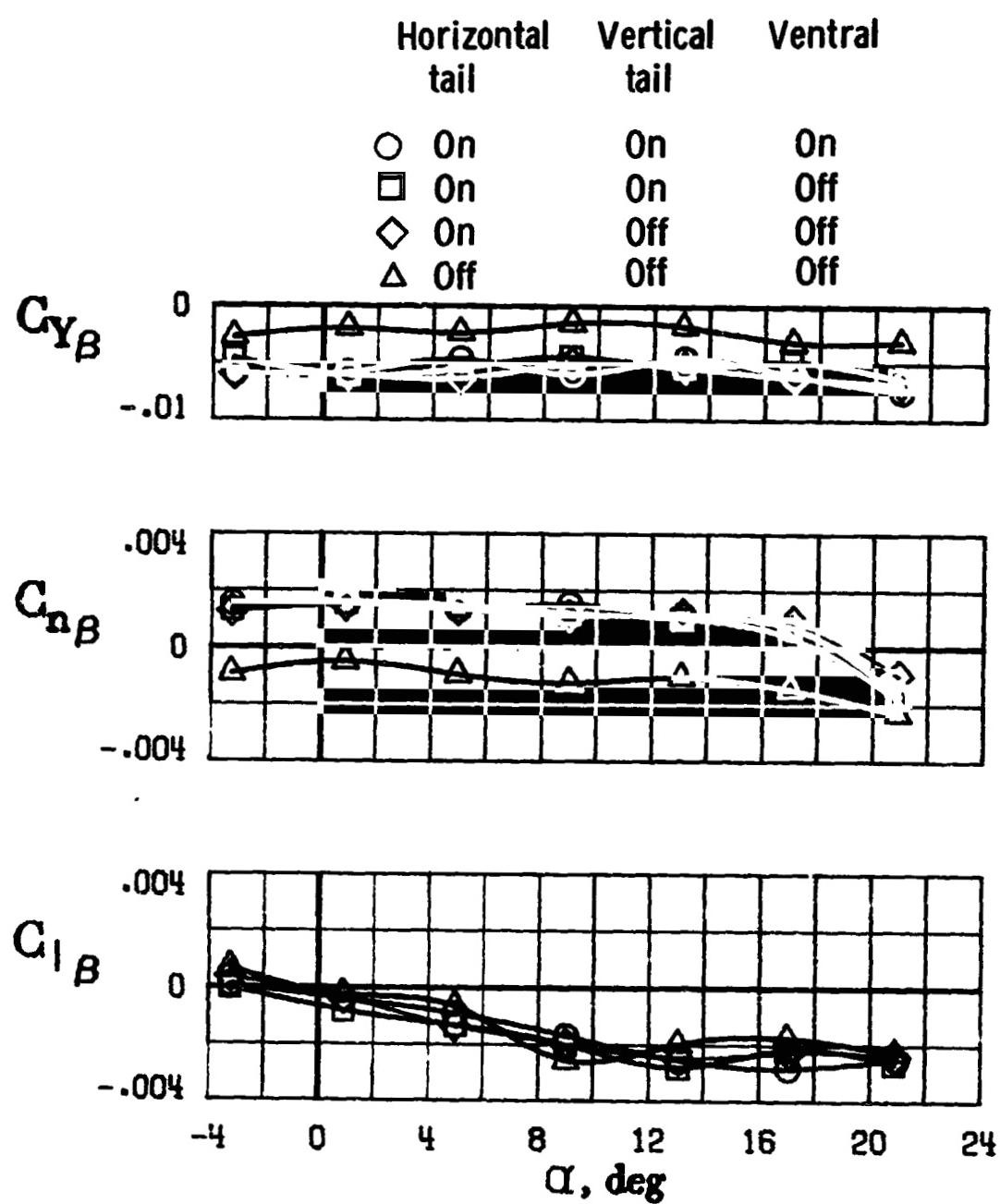
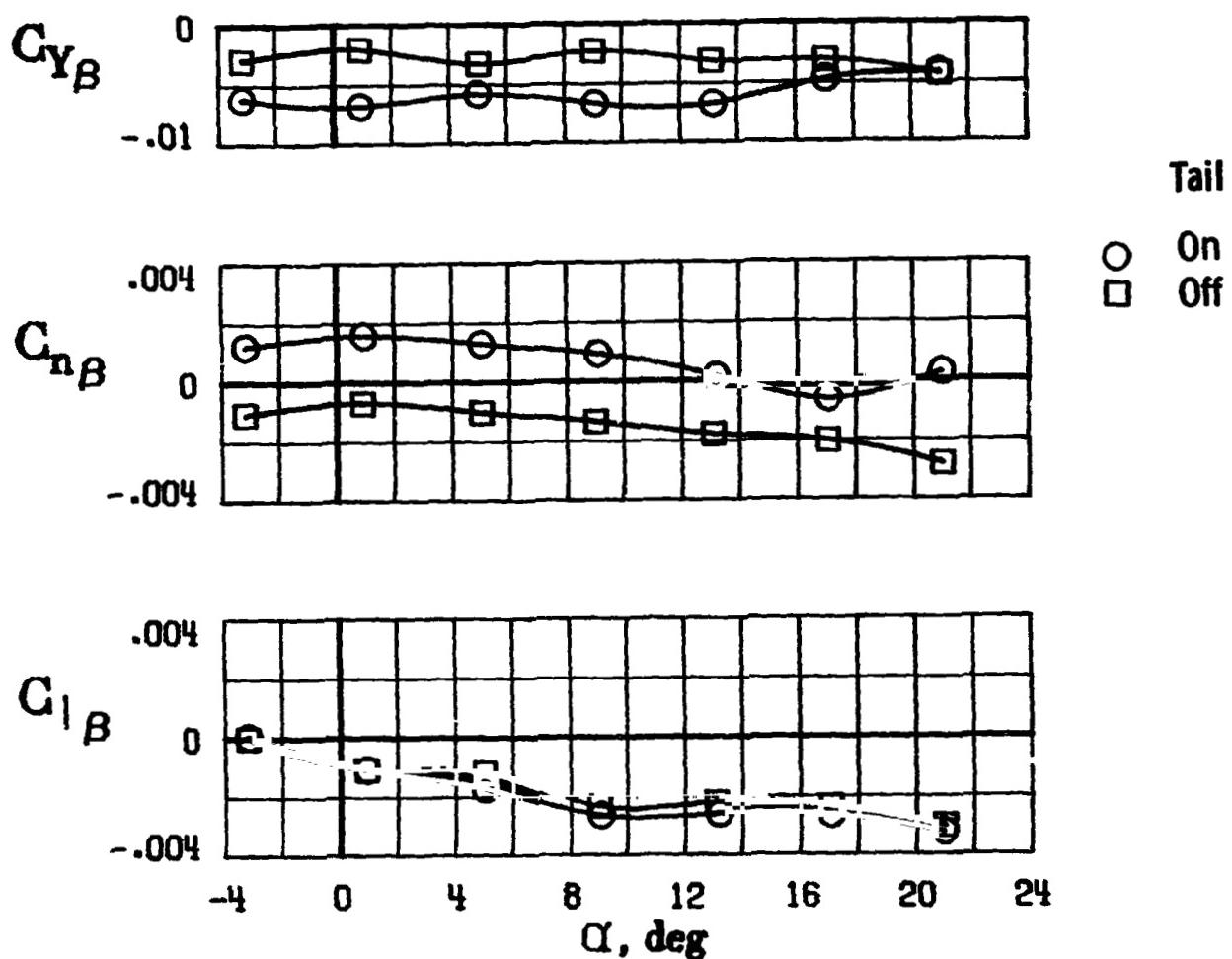
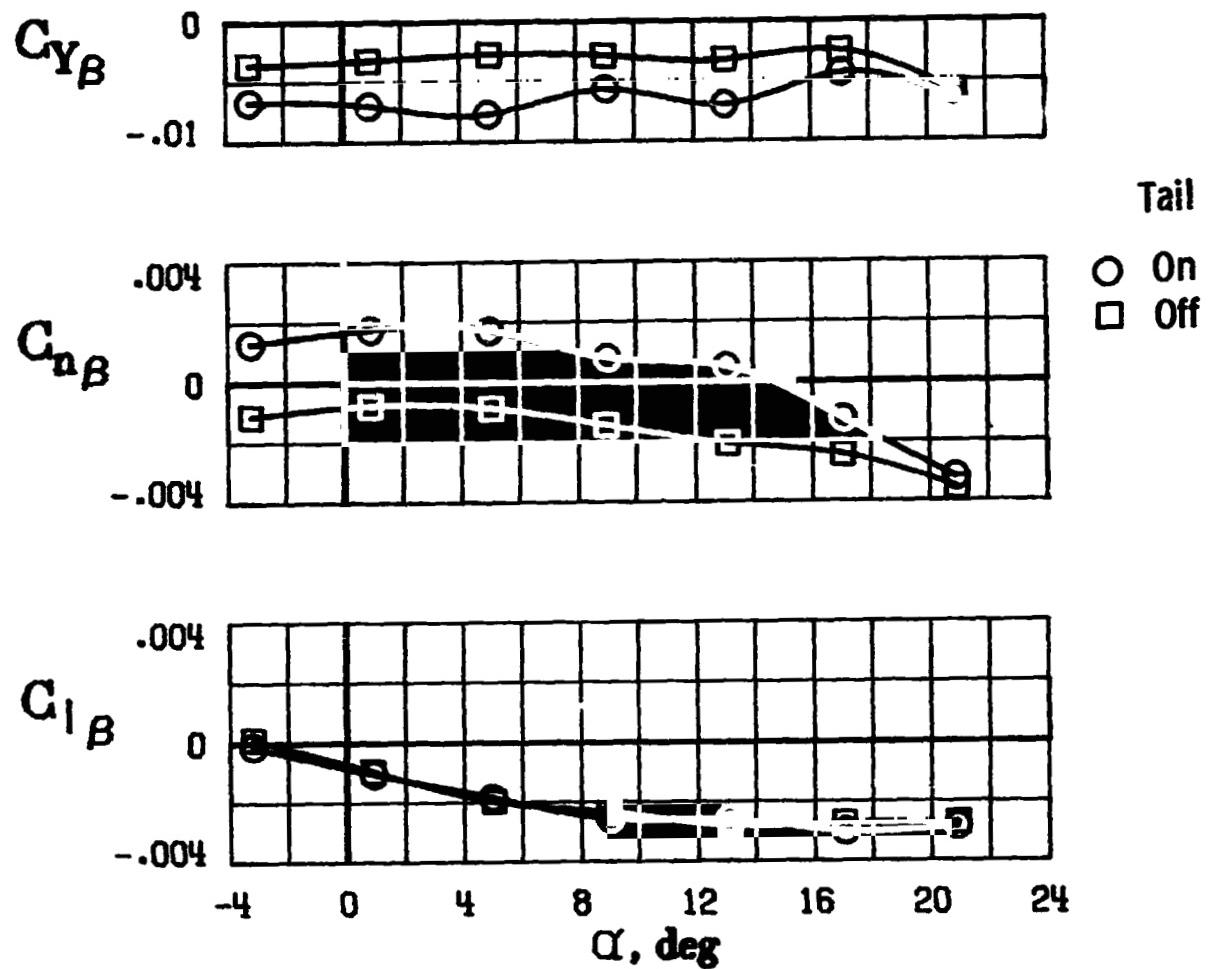


Figure 29. - Effect of tail components on lateral-directional stability derivatives of a clean leading-edge configuration.  $\delta_{f, te} = 0^\circ$ .



(a)  $\delta_{f, te} = 20^\circ$

Figure 30. - Effect of tails on lateral- directional stability derivatives.  
 $(\delta_f, l_e) |, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$ .



(b)  $\delta_f, t_e = 30^\circ$

Figure 30. - Concluded.

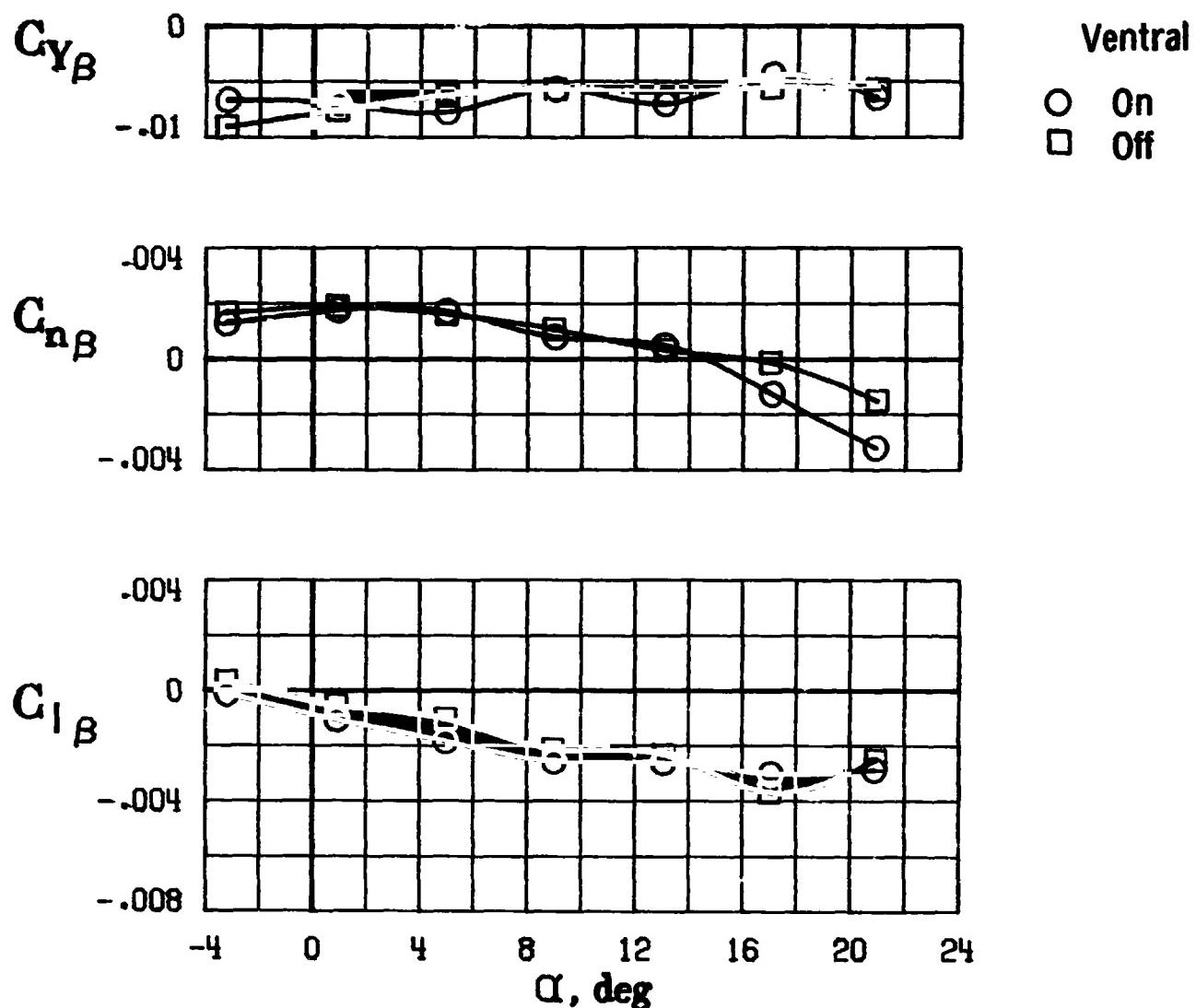
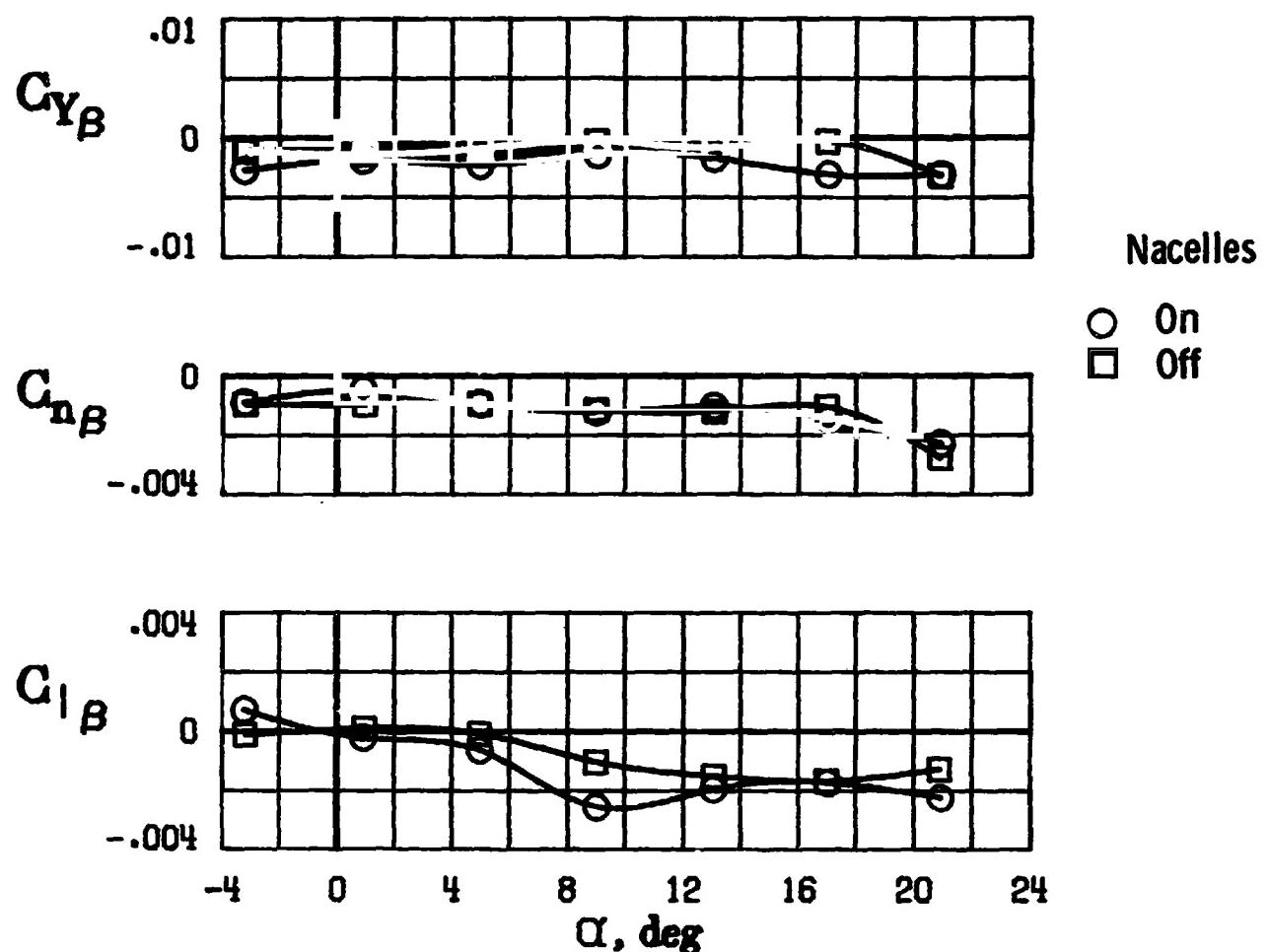
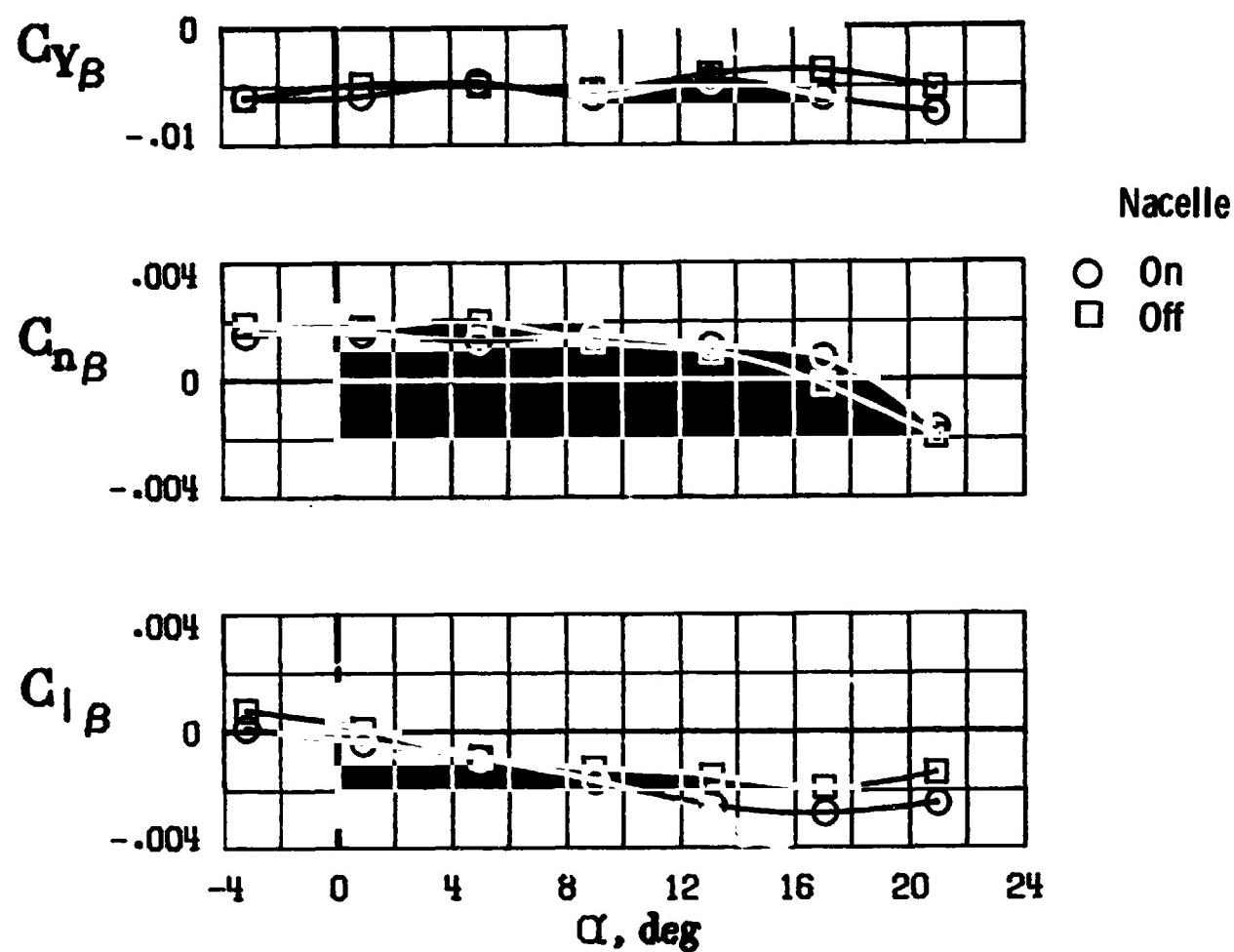


Figure 3I. - Effect of ventral on lateral-directional stability derivatives.  
 $(\delta_f, \delta_e)_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$ .  $\delta_f, \delta_e = 30^\circ$ .



(a) Tail-off

Figure 32. - Effect of nacelles on lateral-directional stability derivatives.  
 $\delta_f, \tau_e = 0^\circ$ .



(b) Tail-on

Figure 32. -Concluded.

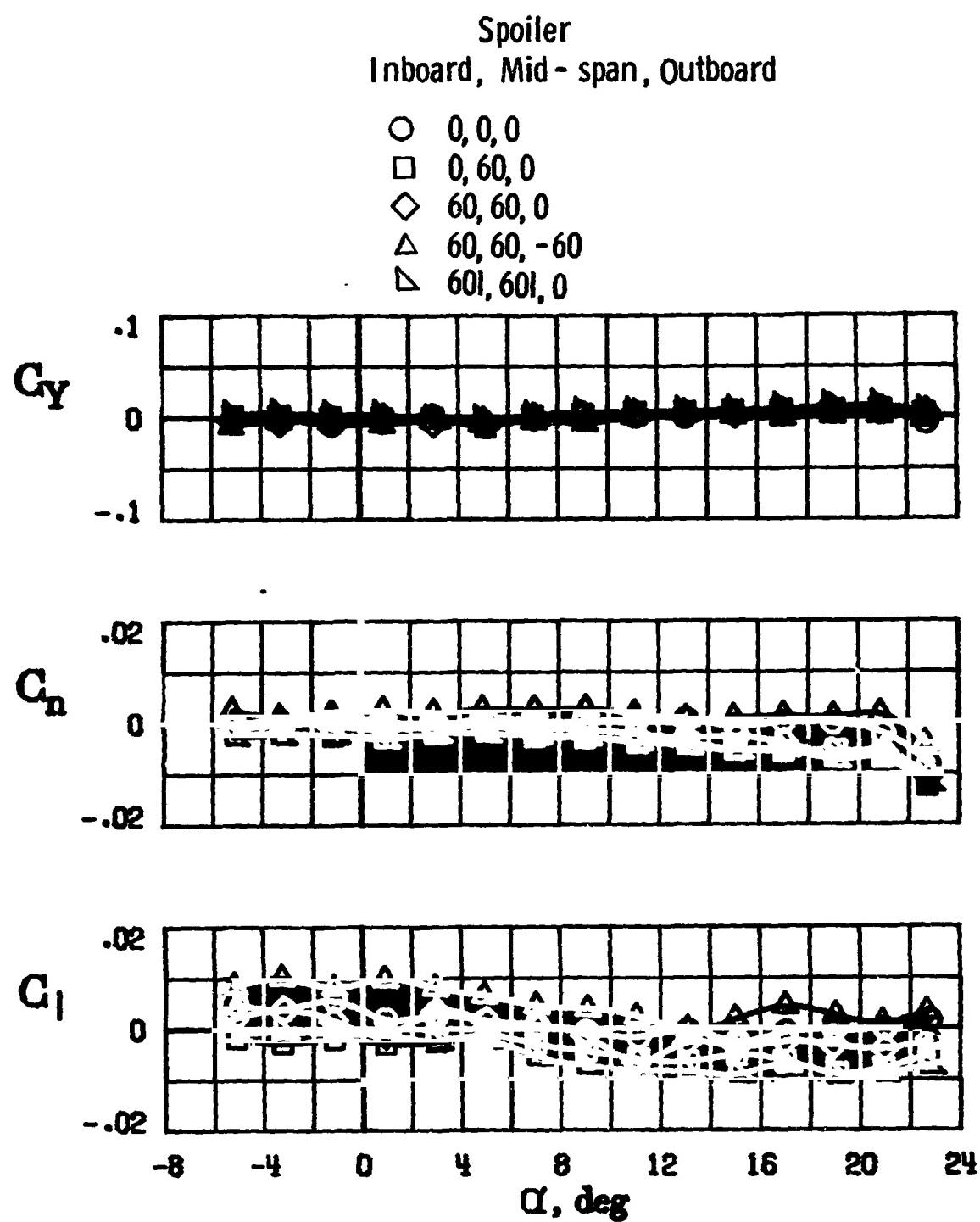
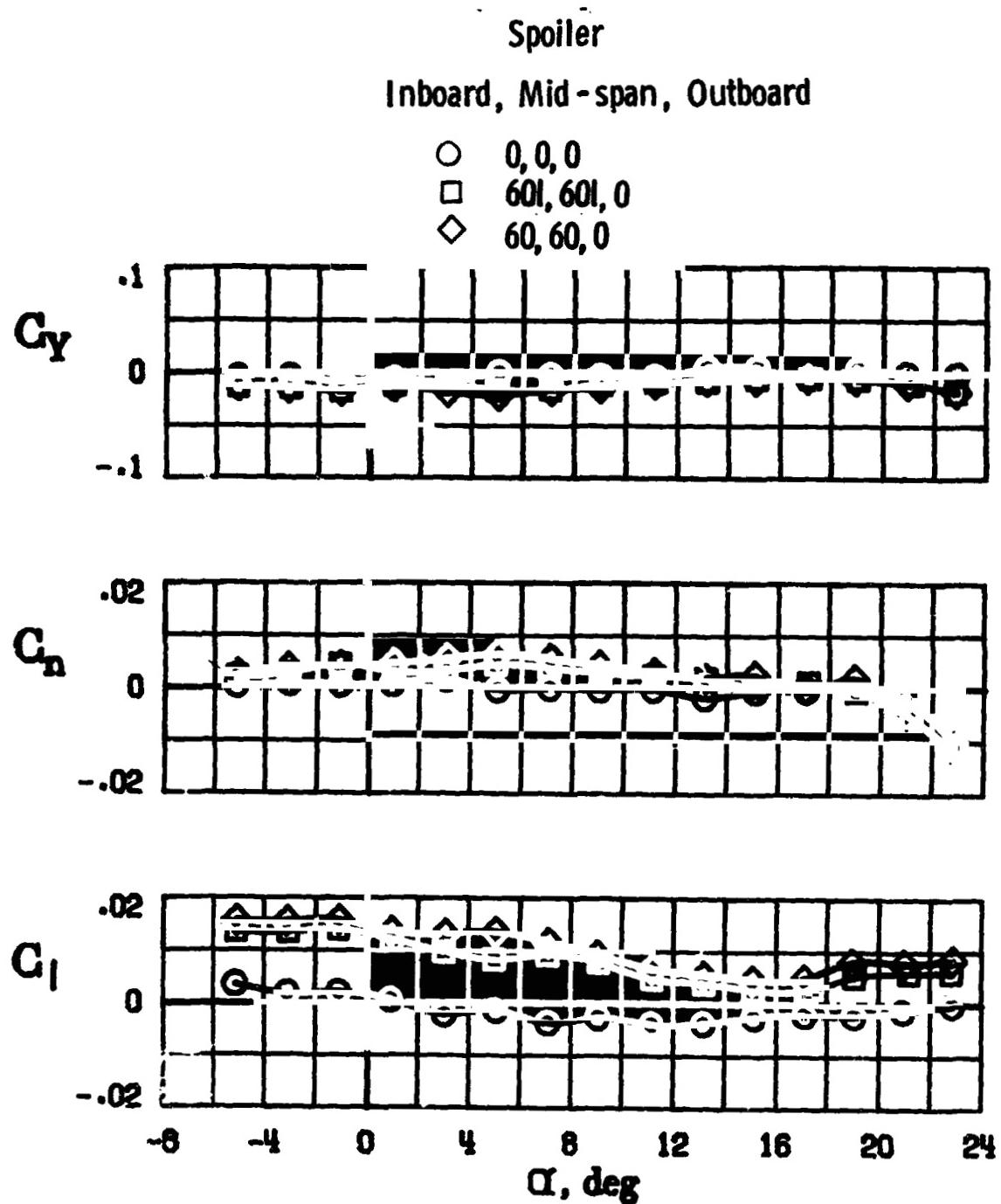


Figure 33. - Effect of spoiler/deflector on the lateral - directional aerodynamic characteristics. ( $\delta_f, l_e^1, l_e^2, l_e^3, l_e^4, l_e^5, l_e^6 = 0, 0, 0, 0, 0, 0, 0$ .  $\delta_f, t_e = 0^\circ$ .  $\beta = 0^\circ$ .



(a)  $\delta_f, t_e = 10^\circ$

Figure 34. - Effect of spoiler/deflector on lateral-directional aerodynamic characteristics. ( $\delta_f, t_e$ )<sub>1, 2, 3, 4, 5, 6</sub> = 13, 34, 35, 35, 19, 29,.  
Tail -on.  $\beta = 0^\circ$ .

**Spoiler**  
 Inboard, Mid - span, Outboard

- 0, 0, 0
- 0, 60, 0
- ◇ 60, 60, 0
- △ 60, 60, -60
- ▽ 60I, 60I, 0

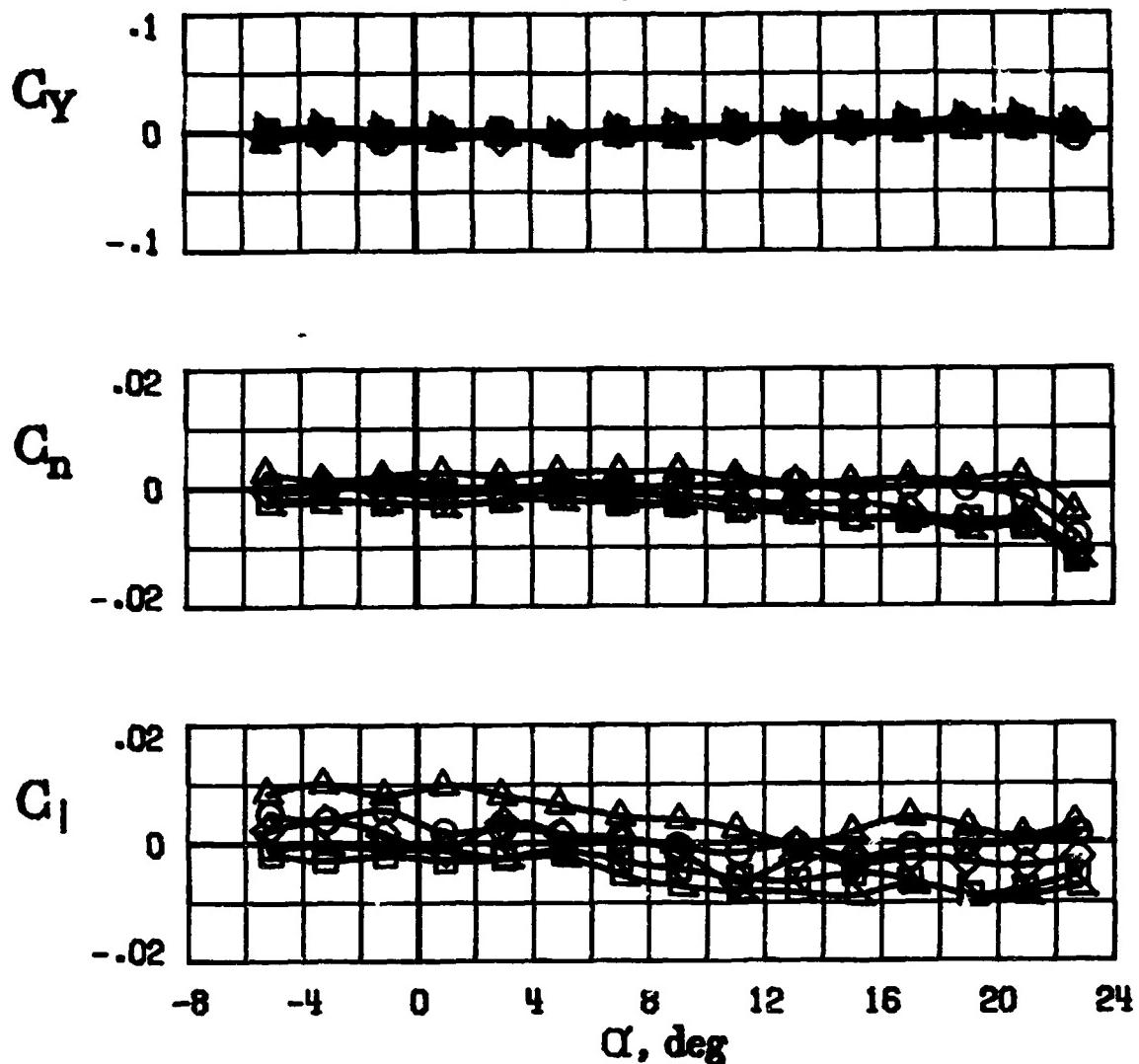
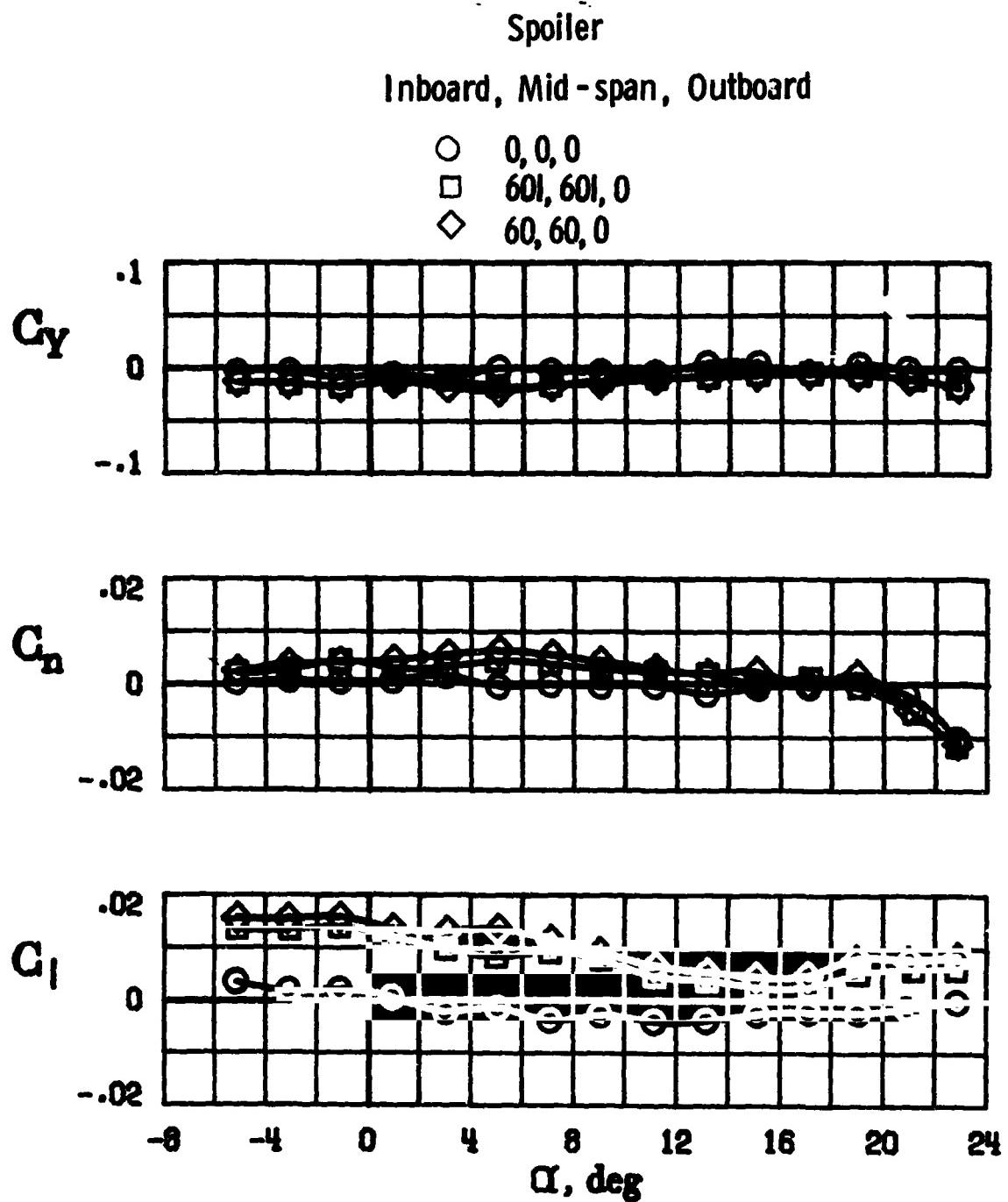
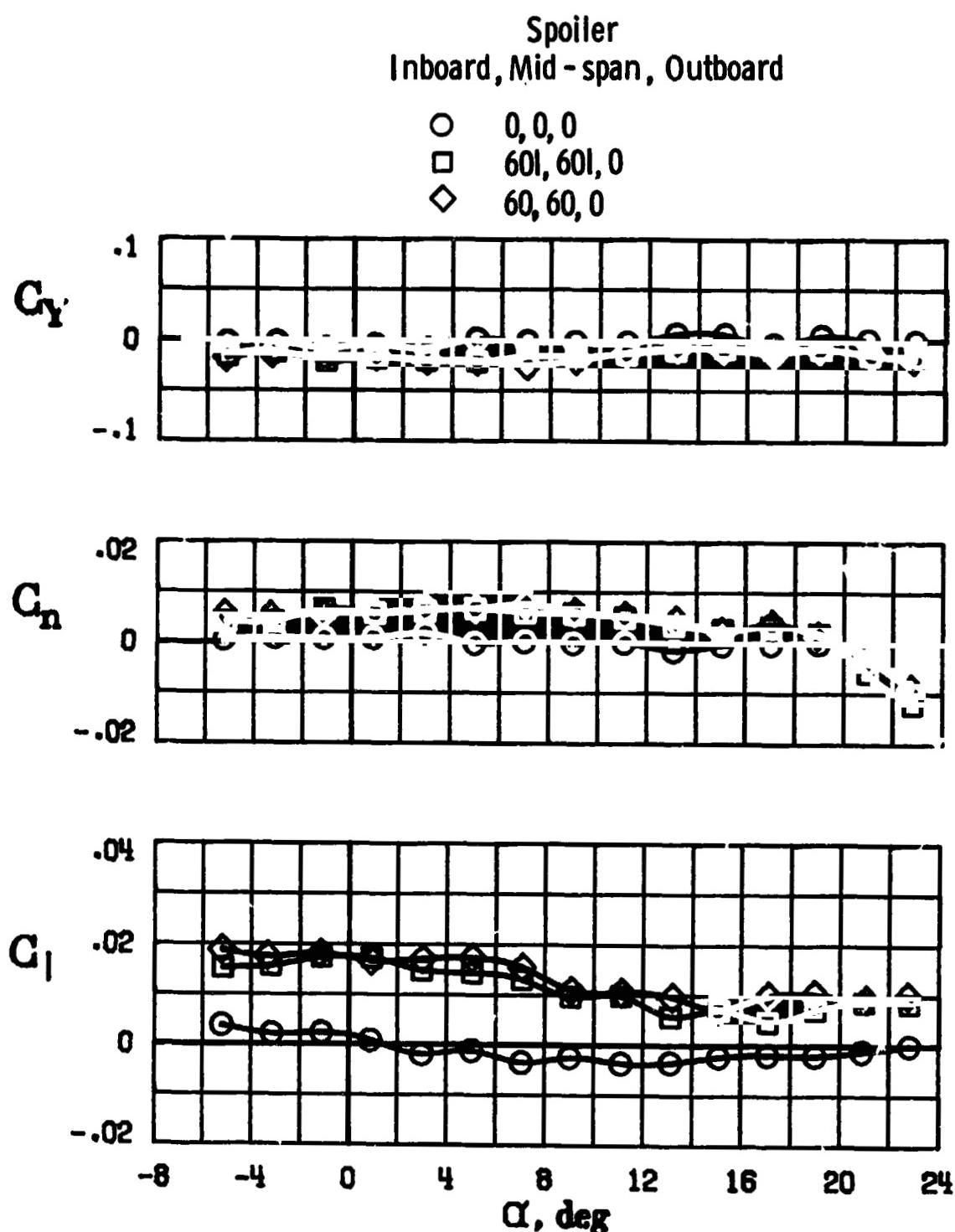


Figure 33. - Effect of spoiler/deflector on the lateral - directional aerodynamic characteristics.  $(\delta_f, l_e)_1, 2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0$ .  $\delta_f, te = 0^\circ$ .  $\beta = 0^\circ$ .



(a)  $\delta_{f, te} = 10^\circ$

Figure 34. - Effect of spoiler/deflector on lateral-directional aerodynamic characteristics. ( $\delta_f, le_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29,$ .  
Tail-on.  $\beta = 0^\circ$ .

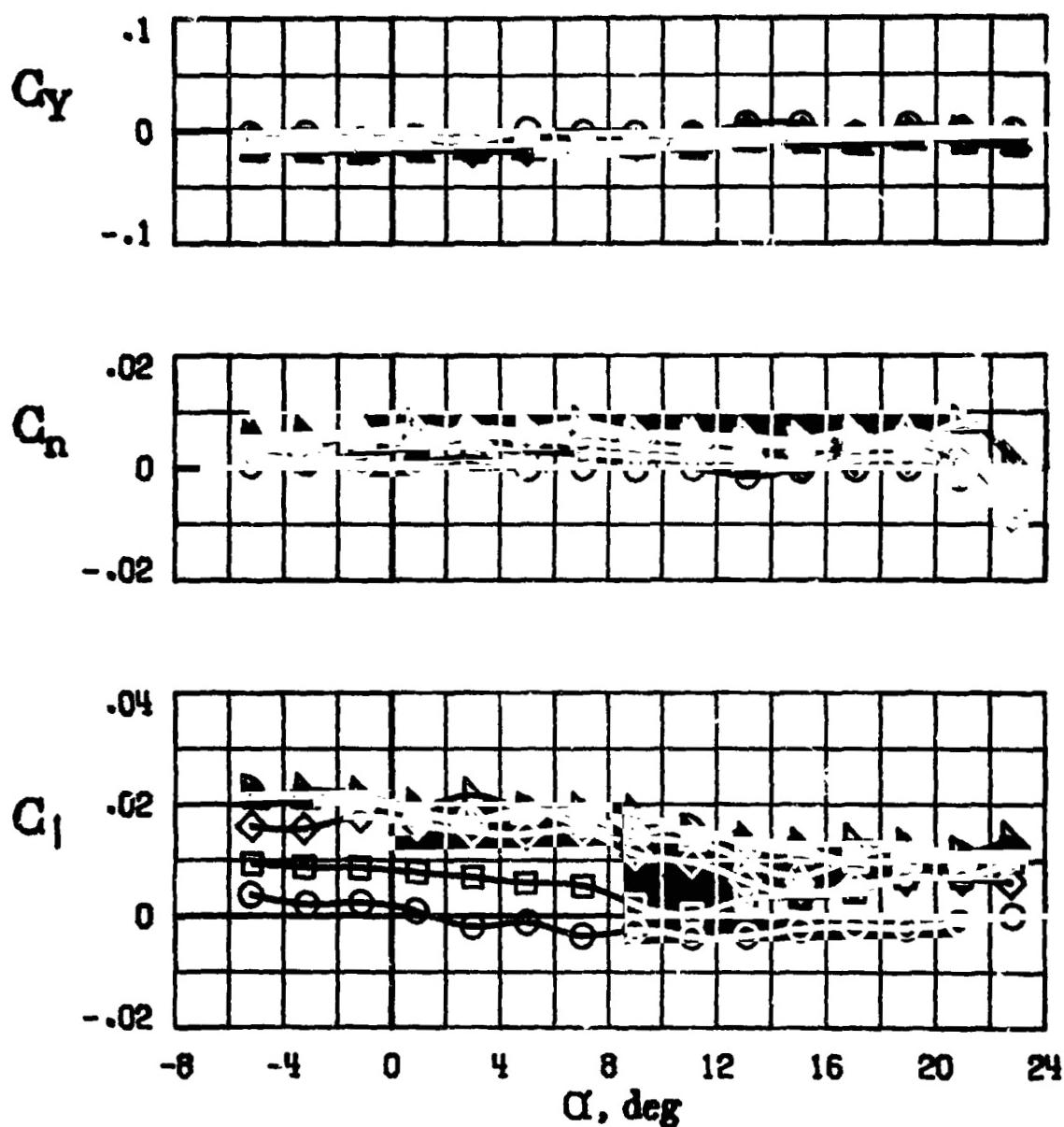


(b)  $\delta_f, t_e = 20^\circ$

Figure 34. - Continued.

Spoiler  
Inboard, Mid-span, Outboard

- 0, 0, 0
- 60I, 0, 0
- ◇ 0, 60I, 0
- △ 60I, 60I, 0
- ▽ 60, 60, 0
- ▷ 60, 60, -60



(c)  $\delta_f, t_e = 30^\circ$

Figure 34. - Concluded.

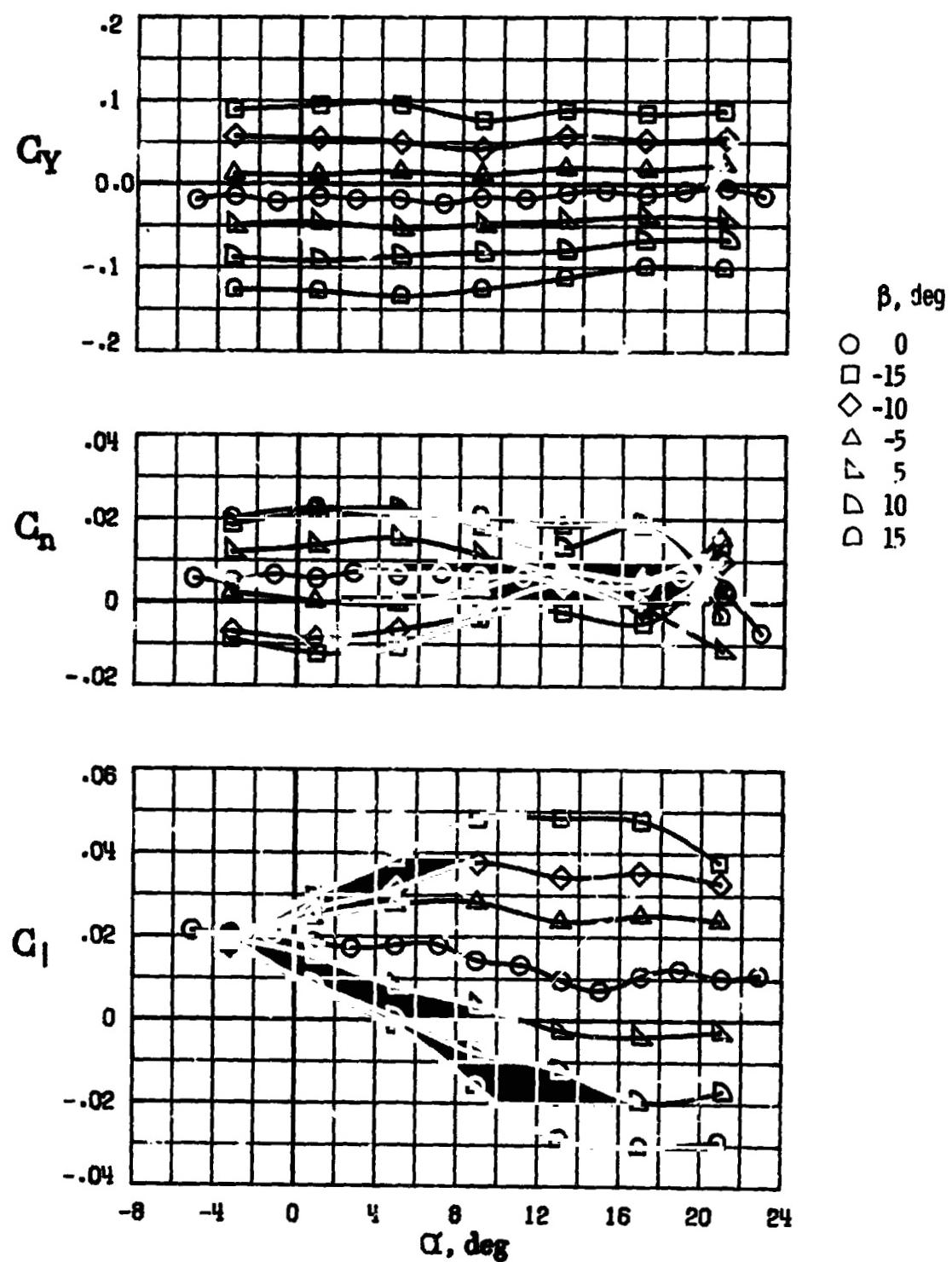


Figure 35. Effect of sideslip on lateral-directional aerodynamic characteristics with  $\delta_s = 60^\circ, 60^\circ, 0$ .  $(\delta_f, l_e)_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 25$ .  $\delta_f, te = 30^\circ$ . Tail-on.

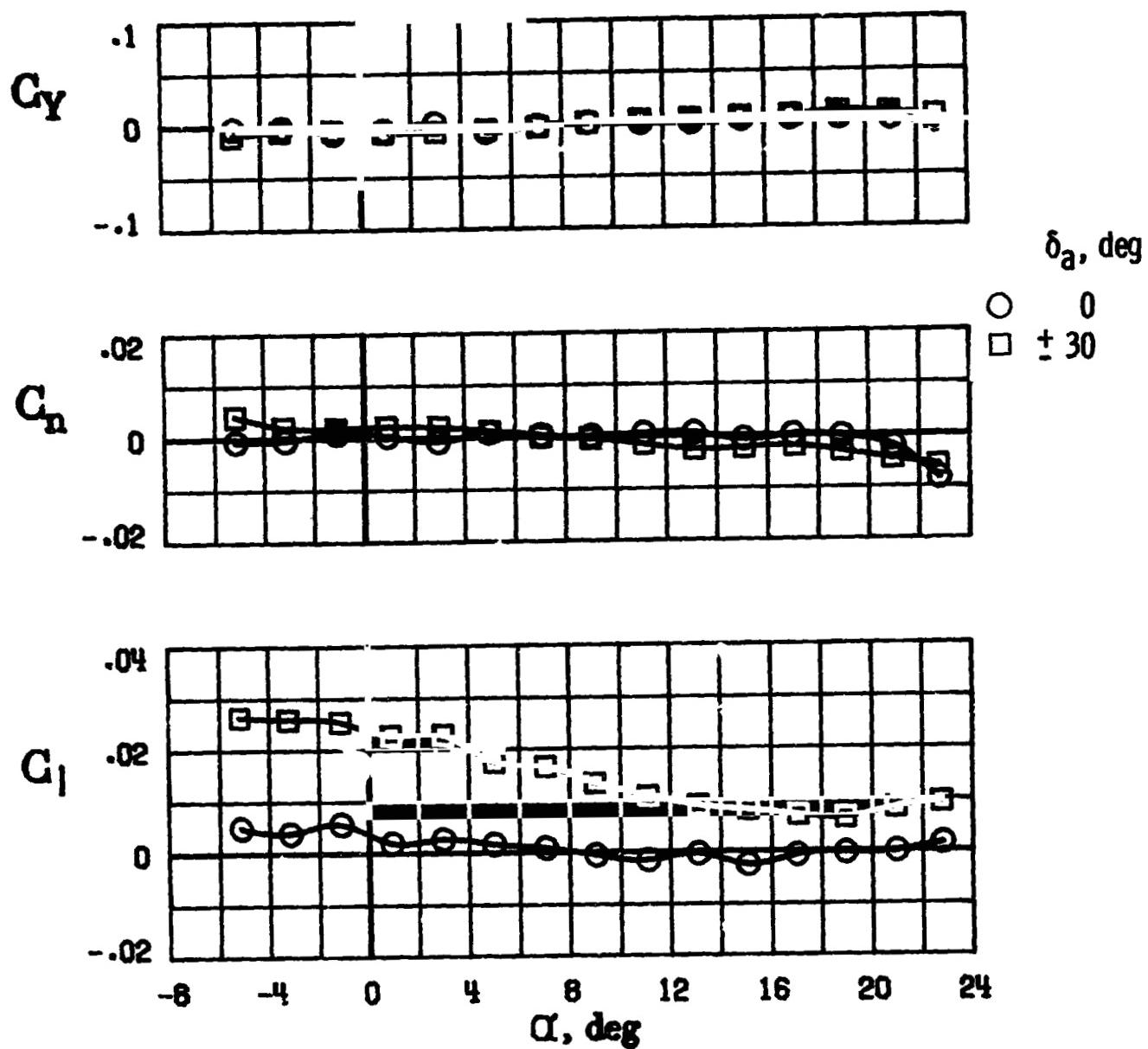
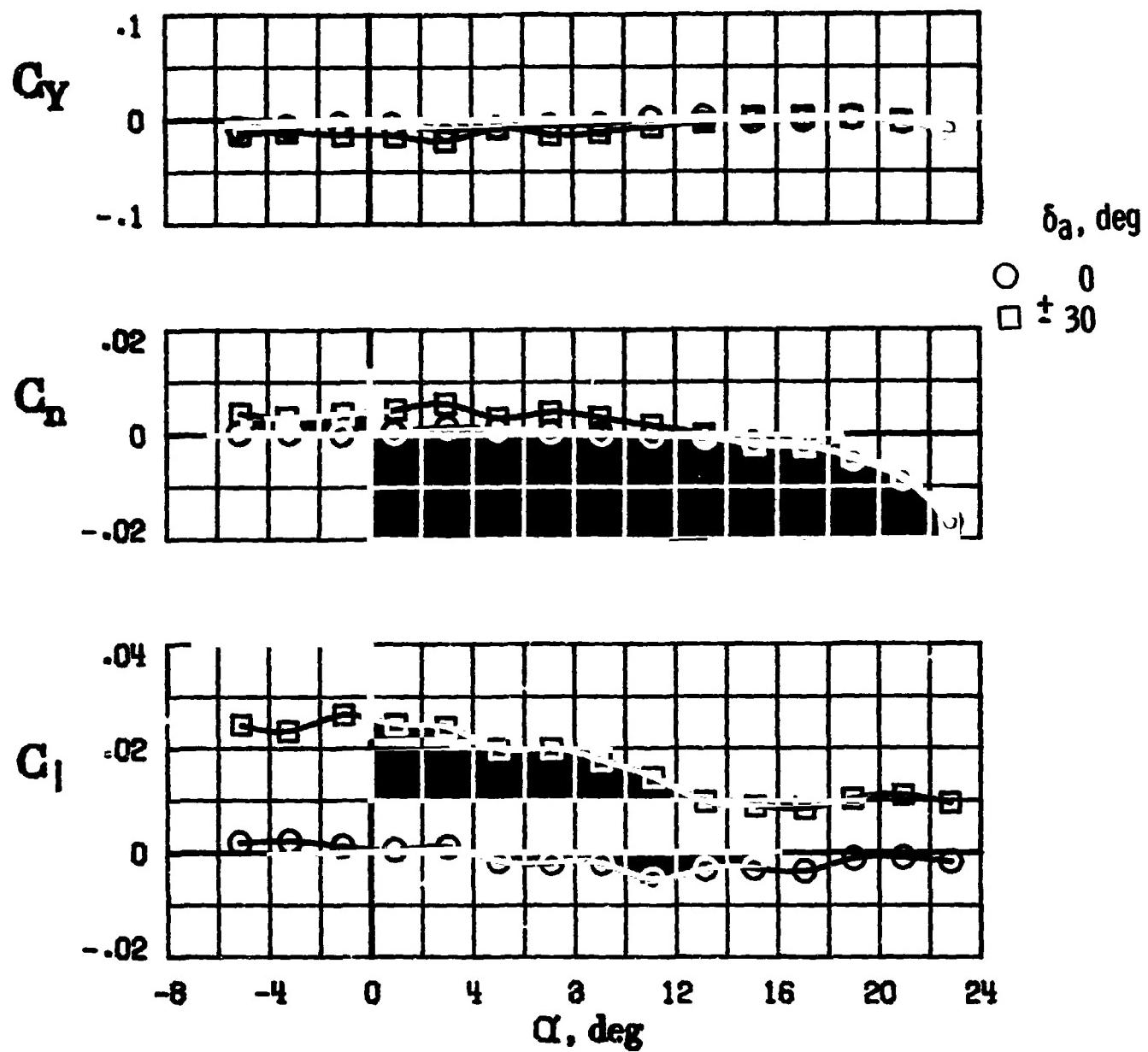
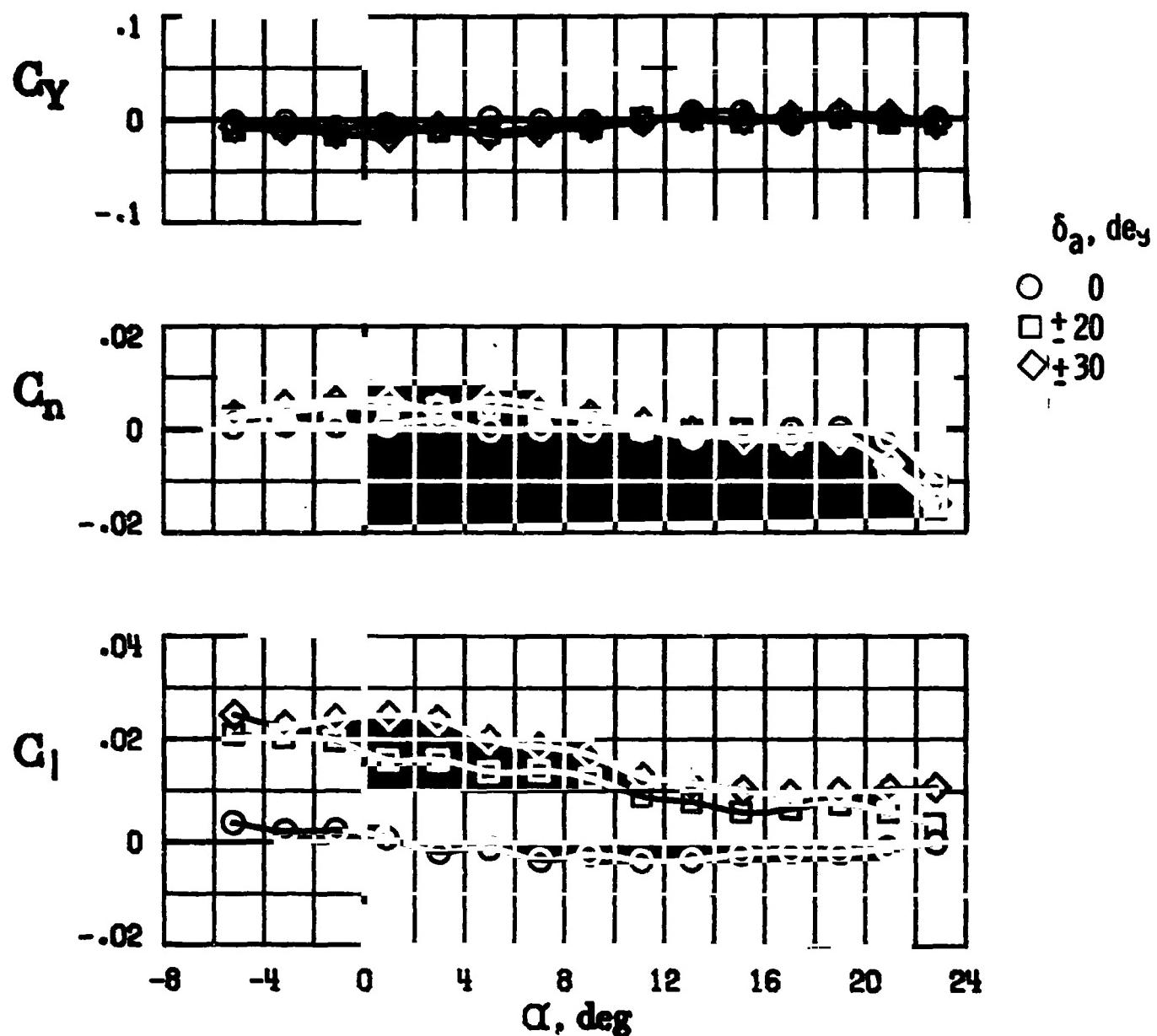


Figure 36. - Effect of differential aileron deflection on lateral-directional aerodynamic characteristics of clean configuration. ( $\delta_f, \text{le} \text{I, 2, 3, 4, 5, 6} = 0, 0, 0, 0, 0, 0$ ).  
 $\delta_f, \text{te} = 0^\circ$ . Tail-on.  $\beta = 0^\circ$ .



(a)  $\delta_f, t_e = 20^\circ$ .

Figure 37. - Effect of ailerons on lateral-directional aerodynamic characteristics.  
 $(\delta_f, t_e)_{1, 2, 3, 4, 5, 6} = 13, 34, 35, 35, 19, 29$ .  $\beta = 0^\circ$ . Tail-on.



(b)  $\delta_f, t_e = 30^\circ$

Figure 37. - Concluded.

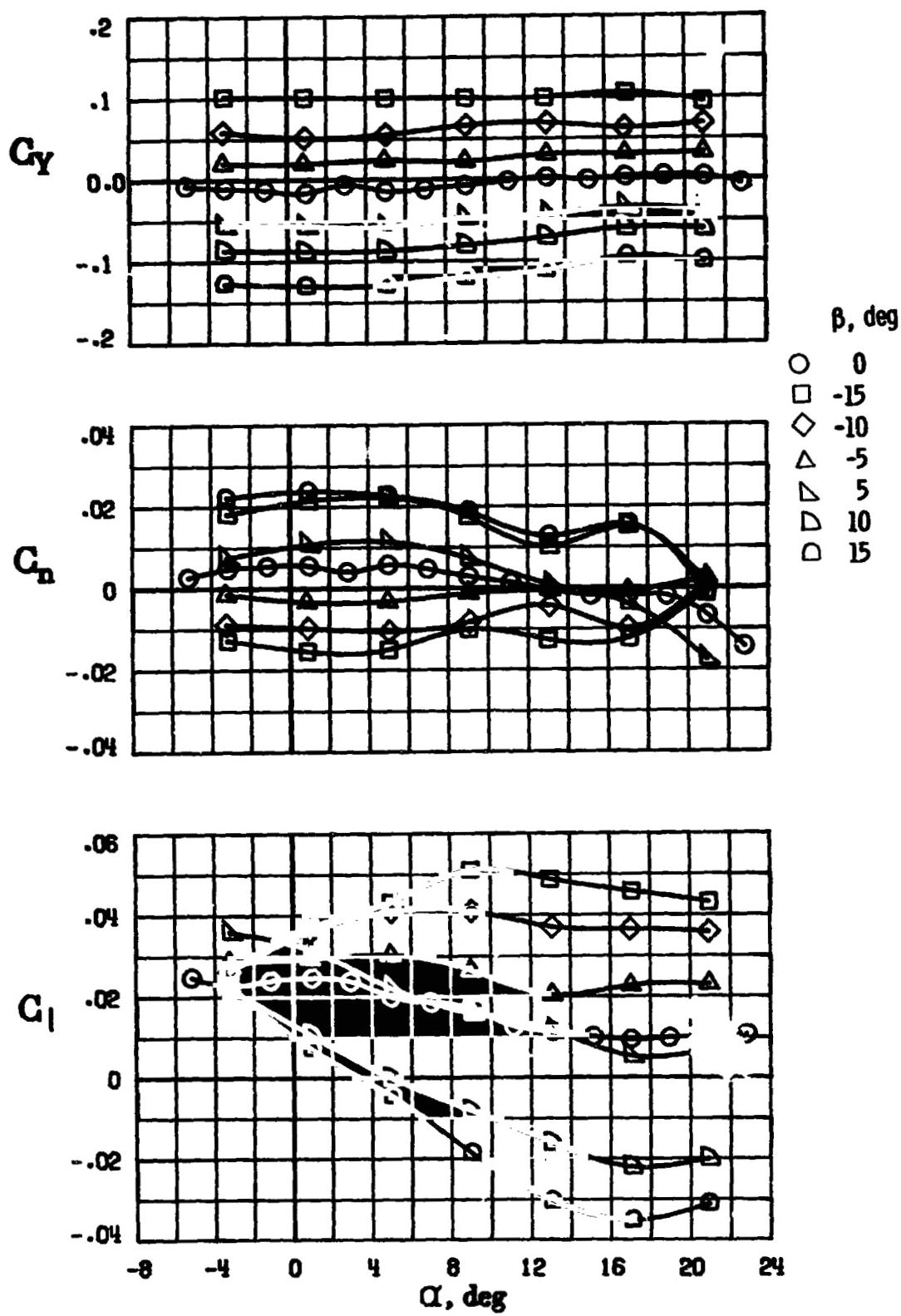


Figure 38. - Effect of sideslip on configuration with  $\delta_a = \pm 30^\circ$ .

$(\delta_f, l_e)_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$ .  $\delta_f, t_e = 30^\circ$ . Tail-on.

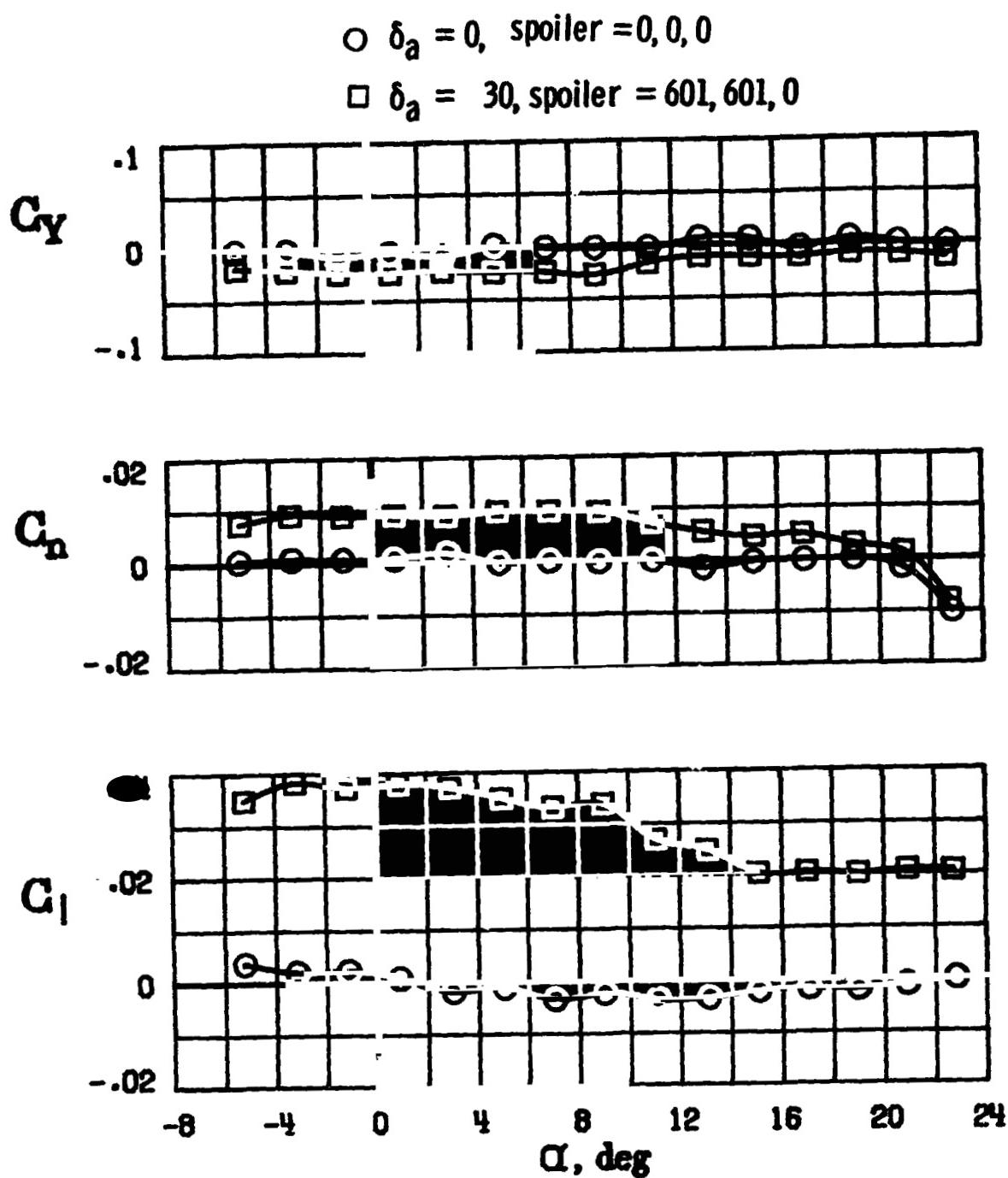


Figure 39. - Effect of deflecting ailerons and spoilers on lateral-directional characteristics.  
 $(\delta_f, \text{ le})_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29. \delta_f, t_e = 30^\circ. \delta_a = \pm 30^\circ. \delta_s = 601, 501, 0.$   
 Ta..-on.  $\beta = 0^\circ.$

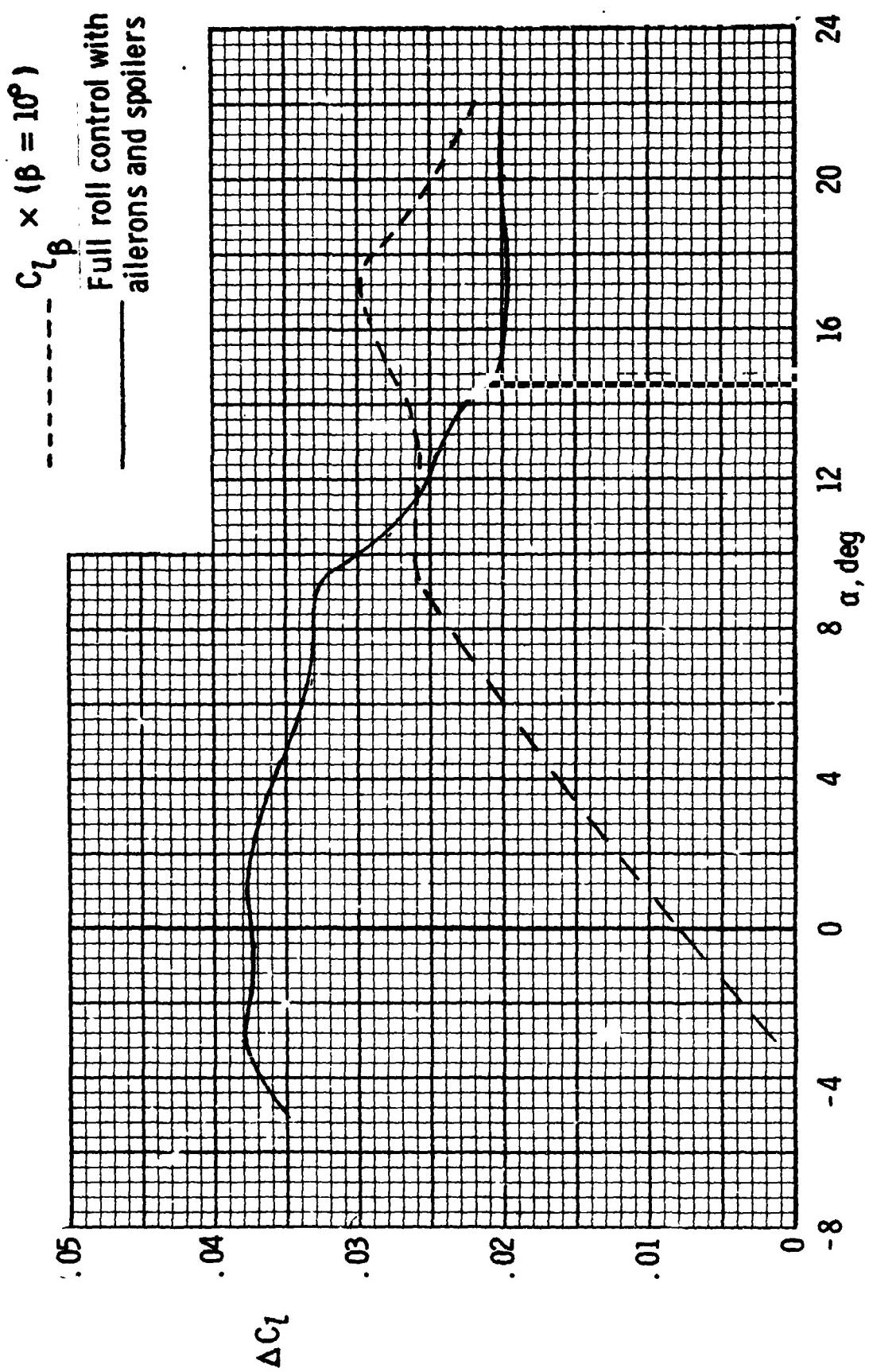
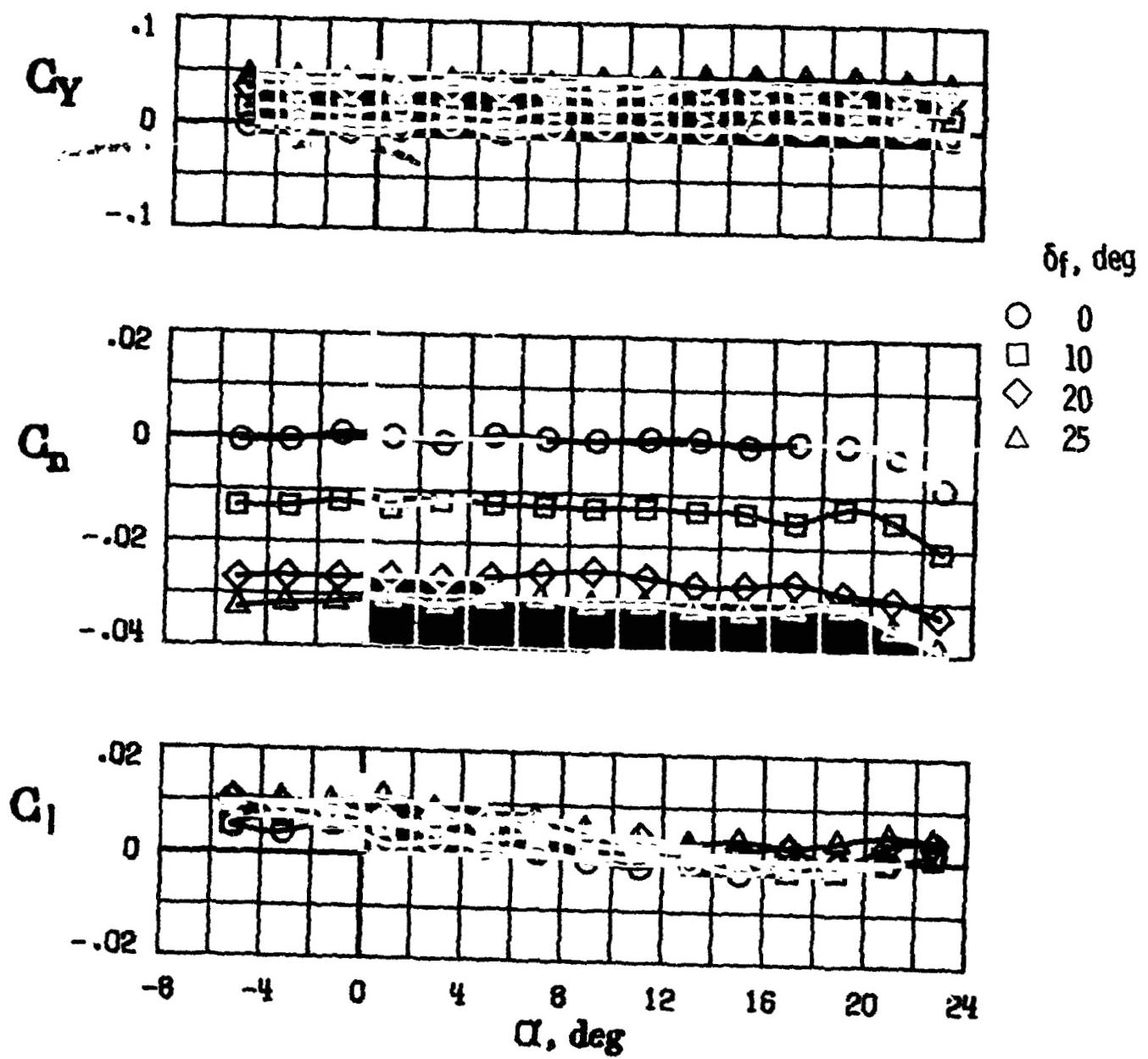
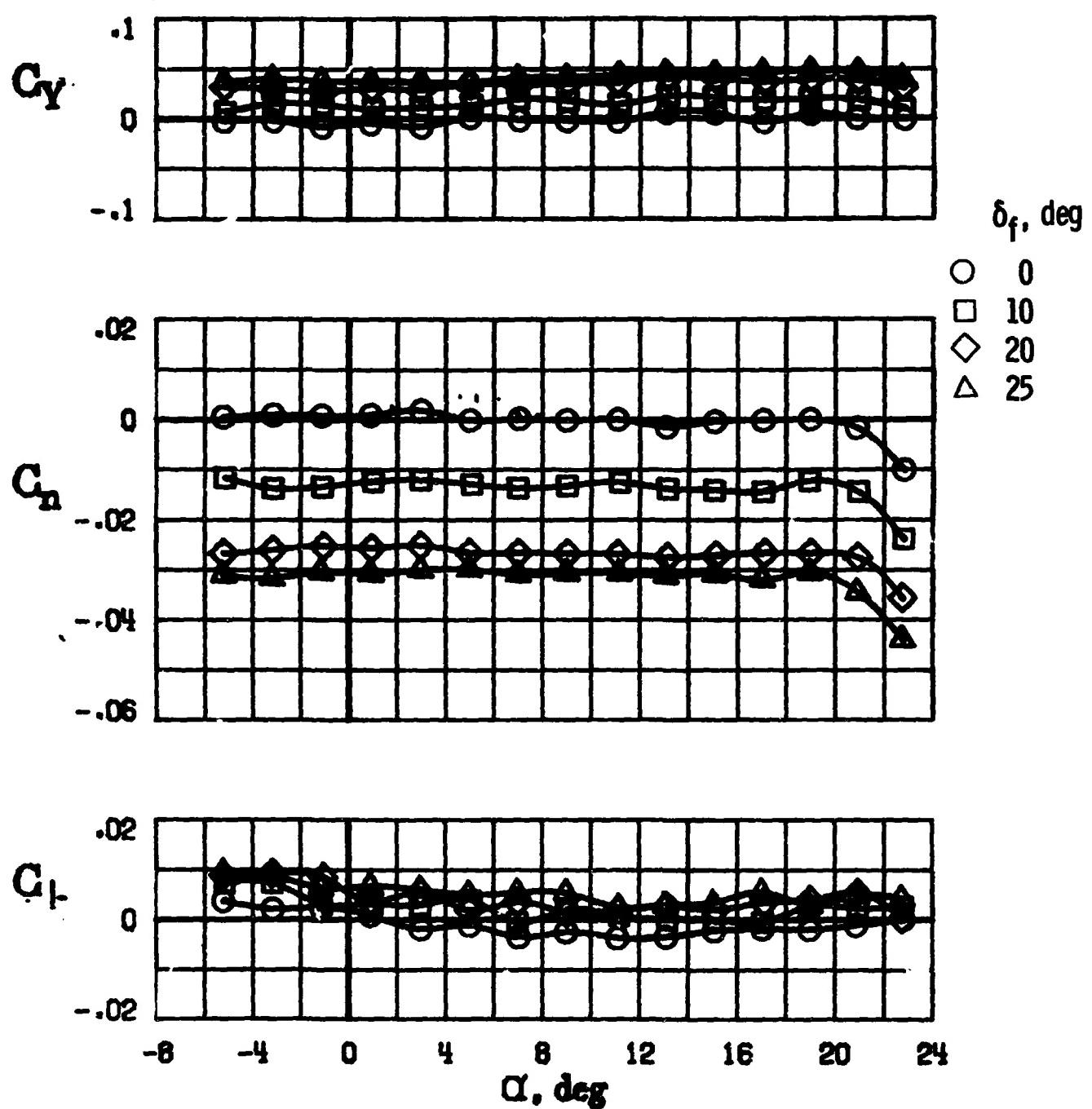


Figure 40. - Lateral control available with full aileron and spoiler control.



(a)  $(\delta_f, \delta_e)_1, 2, 3, 4, 5, 6 = 0, 0, 0, 0, 0, 0$  ;  $\delta_f, \delta_e = 0^\circ$

Figure 41. - Effect of rudder on lateral-directional aerodynamic characteristics.  $\beta=0^\circ$ .



(b)  $(\delta_f, l_e)_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$  ;  $\delta_{f, te} = 30^\circ$

Figure 4l. - Concluded.

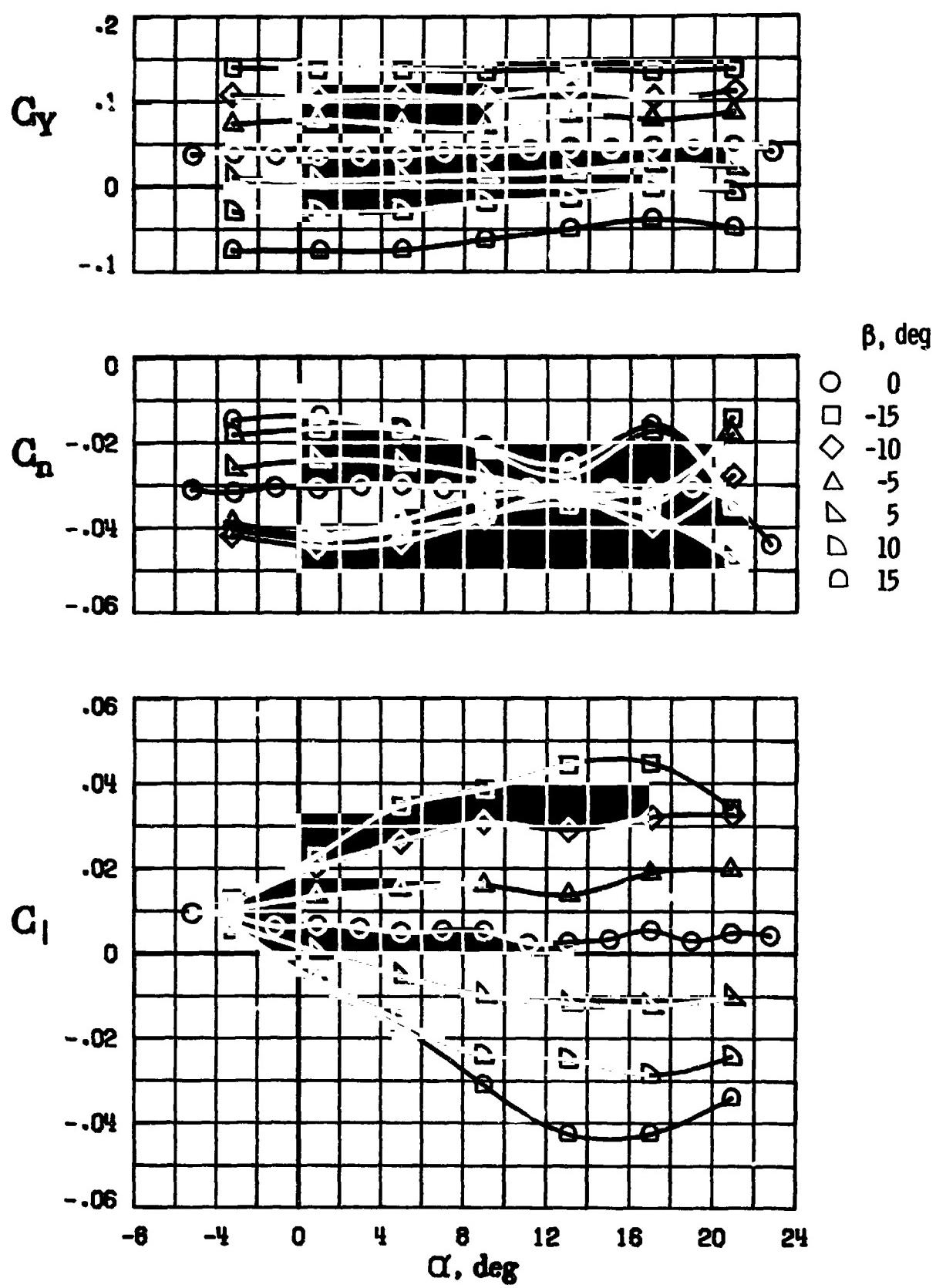


Figure 42 . - Effect of sideslip on lateral- directional aerodynamic characteristics with rudder deflection of 25 degrees.  $(\delta_f, l_e)_1, 2, 3, 4, 5, 6 = 13, 34, 35, 35, 19, 29$ .  
 $\delta_f, t_e = 30^\circ$ .

## Appendix - Presentation of Tabulated Data

The symbols used in the data tabulation are defined as follows:

ALPHA	Angle of attack, deg
BETA	Angle of sideslip, deg
CD	Drag coefficient, stability axis
CL	Lift coefficient, stability axis
CPM	Pitching moment coefficient, stability axis
CRM	Rolling moment coefficient, body axis
CSF	Side force coefficient, body axis
CYM	Yawing moment coefficient, body axis
L/D	Lift-to-drag ratio



**Table A-I. - Continued.**

Table A-I. - Continued.

Table A-1. - Continued.

Table A-I. - Continued.

$\delta_{f, le}$

Run	Configuration	8	1	2	3	4	5	6	$\delta_{f, te}$	i <sub>t</sub>	$\delta_r$	$\delta_a$	Spoilers		
													Inboard	Mid Span	Outboard
827		0	13	34	35	35	19	29	30	-15	0	0	0	0	0
828										0	10				
829											20				
830											25				
831		-15													
832		-10													
833		-5													
834		5													
835		10													
836		15													
837		0									0		60	60	-60
853													60	60	0
854													60	60	0
870												+30	60	60	
886		-15										0			
887		-10													
888		-5													
889		5													
890		10													
891		15													
892		0											0		
893													60		
894												+30			
895		-15													
896		-10													
897		-5													
898		5													
899		10													
900		15													
901		0										+20			
902	BWN HV (Ven-											0			
903	tral removed)	5	↓	↓	↓	↓	↓	↓	↓	↓	↓				

Table A-I. - Concluded.

$\delta_f, le$

Run	Configuration	$\beta$	1	2	3	4	5	6	$\delta_f, te$	$i_t$	$\delta_r$	$\delta_a$	Spoilers		
													Inboard	Mid Span	Outboard
904		10	/3	34	35	35	19	29	30	0	0	0	0	0	0
905	BWN	2													
906		5													
908		10													
909		15													
910		20													
911		0							20						
927		5													
928		10													
929		0													
945	BWN HV														
946															
947		5													
948		10													
949		0								-10					
950															
951											+30	▽	▽		
952											0	60	60		
953												60	60		
954												▽	60	▽	
955			▽	▽	▽	▽	▽	▽	10	▽	▽	▽	60	▽	60

RUN 111

POINT	ALPHA	CL	CD	CPM	CSF	CYM	L/D
2119	0.00	.90	.2740	.0489	-0.1047	.0006	5.6064
2120	0.00	2.99	.3626	.0561	-0.1123	.0019	6.4627
2121	0.00	5.02	.4258	.0675	-0.1192	-0.003	6.3111
2122	0.00	7.00	.4974	.0810	-0.1200	.0005	6.1389
2123	0.00	9.01	.5711	.1015	-0.1054	-0.0033	5.6291
2124	0.00	11.07	.6366	.1265	-0.0935	-0.024	5.0342
2125	0.00	13.07	.7072	.1568	-0.0783	-0.034	4.5106
2126	0.00	15.03	.7736	.1924	-0.0797	-0.002	4.0202
2127	0.00	17.00	.8417	.2346	-0.0658	-0.005	3.5982
2128	0.00	18.92	.8933	.2748	-0.0527	-0.029	3.2501
2129	0.00	20.95	.9499	.3243	-0.0378	-0.018	2.9287
2130	0.00	22.76	.9994	.3729	-0.0261	-0.037	2.6800

RUN 126

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
2263	0.00	-5.15	.0385	.0537	-0.0744	.0037	.0009	7.166
2264	0.00	-3.21	.1192	.0486	-0.0770	.0003	-0.002	4.4501
2265	0.00	-1.12	.2039	.0476	-0.0833	-0.021	-0.047	4.2848
2266	0.00	.91	.2698	.0509	-0.0877	-0.015	-0.018	5.3033
2267	0.00	2.93	.3446	.0571	-0.0987	-0.008	-0.012	6.0325
2268	0.00	5.01	.4217	.0674	-0.1016	-0.040	-0.007	6.2538
2269	0.00	6.98	.4915	.0811	-0.1036	-0.044	-0.009	6.0604
2270	0.00	9.01	.5608	.0997	-0.0876	-0.034	-0.019	5.6219
2271	0.00	11.04	.6322	.1252	-0.0785	-0.013	-0.003	5.0501
2272	0.00	13.06	.7116	.1573	-0.0696	-0.026	-0.002	4.5239
2273	0.00	15.04	.7786	.1928	-0.0672	-0.029	-0.005	4.0388
2274	0.00	17.01	.8431	.2337	-0.0582	-0.021	-0.008	3.6071
2275	0.00	18.99	.9056	.2785	-0.0457	-0.023	-0.002	3.2514

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYH	L/D
2358	5.00	-5.12	.0540	.0514	-.0961	.0029	-.0182	1.0512
2359	5.00	-3.23	.1233	.0466	-.1015	.0019	-.0176	2.6453
2360	5.00	-1.18	.1943	.0464	-.1019	.0005	-.0147	4.1873
2361	5.00	.91	.2748	.0498	-.1093	-.0025	-.0173	5.5131
2362	5.00	2.94	.3579	.0548	-.1125	-.0041	-.0198	6.5252
2363	5.00	4.97	.4232	.0646	-.1120	-.0076	-.0248	6.5469
2364	5.00	6.98	.4979	.0799	-.1043	-.0103	-.0163	6.2310
2365	5.00	9.95	.5610	.0980	-.0941	-.0096	-.0180	5.7254
2366	5.00	11.14	.6355	.1231	-.0814	-.0120	-.0226	5.1620
2367	5.00	13.07	.7057	.1541	-.0658	-.0087	-.0236	4.5795
2368	5.00	15.01	.7676	.1861	-.0667	-.0147	-.0244	4.0579
2369	5.00	17.05	.8202	.2276	-.0521	-.0124	-.0314	3.6031
2370	5.00	18.92	.8718	.2682	-.0393	-.0103	-.0415	3.2508
2371	5.00	20.90	.9321	.3181	-.0226	-.0173	-.0507	2.9299
2372	5.00	22.75	.9709	.3646	-.0022	-.0167	-.0503	2.6879

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYH	L/D
2443	10.00	-5.13	.0992	.0498	-.0859	.0163	-.0434	1.1842
2444	10.00	-3.21	.0950	.0464	-.0913	.0121	-.0388	2.0464
2445	10.00	-1.13	.1756	.0450	-.0968	.0062	-.0393	3.8996
2446	10.00	.96	.2531	.0496	-.1062	.0014	-.0373	5.0997
2447	10.00	2.93	.3345	.0537	-.1072	-.0065	-.0375	6.2254
2448	10.00	4.96	.3939	.0637	-.1086	-.0100	-.0403	6.1796
2449	10.00	6.98	.4614	.0789	-.1117	-.0163	-.0396	5.9199
2450	10.00	9.00	.5367	.0955	-.0938	-.0193	-.0416	6.0011
2451	10.00	11.12	.5935	.1173	-.0709	-.0168	-.0456	6.0150
2452	10.00	13.07	.6438	.1418	-.0513	-.0191	-.0474	4.5399
2453	10.00	15.03	.6942	.1704	-.0414	-.0228	-.0434	4.0743
2454	10.00	16.98	.7568	.2084	-.0306	-.0274	-.0425	3.6314
2455	10.00	18.95	.8202	.2524	-.0190	-.0307	-.0473	3.2491
2456	10.00	20.82	.8744	.2981	-.0122	-.0281	-.0592	2.9335
2457	10.00	22.77	.9246	.3489	-.0025	-.0192	-.0714	2.6498

## RUN 134

POINT	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
2528	0.00	-5.18	-3.21	0.0461	-0.0718	-0.004	-0.0021	-0.2976
2529	0.00	0.18	0.561	0.0375	-0.0666	-0.015	-0.0014	1.4963
2530	0.00	-1.12	0.151	0.0357	-0.0713	-0.014	-0.0014	3.2279
2531	0.00	.91	0.1904	0.0350	-0.0767	-0.009	-0.0005	5.4417
2532	0.00	2.95	0.2746	0.0408	-0.0785	-0.019	-0.0002	6.7329
2533	0.00	5.03	0.3510	0.0475	-0.0787	-0.032	-0.0014	7.3960
2534	0.00	7.01	0.4271	0.0599	-0.0738	-0.034	-0.0018	7.1281
2535	0.00	9.02	0.4990	0.0779	-0.0622	-0.025	-0.0014	6.4060
2536	0.00	11.13	0.5738	0.1021	-0.0482	-0.014	-0.0006	5.6217
2537	0.00	13.10	0.6475	0.1318	-0.0412	-0.063	-0.0015	4.9134
2538	0.00	15.10	0.7205	0.1681	-0.0431	-0.037	-0.0011	4.2858
2539	0.00	17.06	0.7958	0.2090	-0.0344	-0.021	-0.0022	3.8079
2540	0.00	18.97	0.8530	0.2527	-0.0263	-0.013	-0.0024	3.3749
2541	0.00	20.96	0.9130	0.2967	-0.0098	-0.016	-0.0091	3.0774
2542	0.00	22.78	0.9765	0.3482	-0.0038	-0.009	-0.0133	2.8048

## RUN 136

POINT	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
2688	0.00	-5.18	-1.211	0.0445	-0.0434	-0.047	-0.0033	-2.7227
2689	0.00	-3.20	-0.0335	0.0331	-0.0336	-0.031	-0.0027	-1.0114
2690	0.00	-1.13	0.0236	0.0285	-0.0333	-0.023	-0.0013	0.8284
2691	0.00	.92	0.0910	0.0271	-0.0286	-0.017	-0.0018	3.3632
2692	0.00	2.95	0.1718	0.0288	-0.0357	-0.028	-0.0034	5.9699
2693	0.00	5.02	0.2527	0.0334	-0.0342	-0.008	-0.0035	7.5723
2694	0.00	6.99	0.3306	0.0438	-0.0348	-0.010	-0.0029	7.5424
2695	0.00	9.02	0.4037	0.0576	-0.0183	-0.001	-0.0014	7.0153
2696	0.00	11.12	0.4698	0.0780	-0.0087	-0.016	-0.0031	6.0261
2697	0.00	13.11	0.5523	0.1060	-0.031	-0.034	-0.0013	5.2123
2698	0.00	15.04	0.6331	0.1404	-0.004	-0.018	-0.0032	4.5090
2699	0.00	17.06	0.6998	0.1765	-0.001	-0.003	-0.0049	3.9642
2700	0.00	18.95	0.7788	0.2215	-0.0147	-0.012	-0.0018	3.5168
2701	0.00	20.97	0.8328	0.2649	-0.038	-0.057	-0.0013	3.1438
2702	0.00	22.79	0.8899	0.3111	-0.0328	-0.031	-0.0158	2.8608

RUN 177

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
3323	0.00	-5.18	.0243	.0166	-.0006	-.0005	-.0009	-6.5446
3324	0.00	-3.23	.0155	.0185	.0019	-.0009	-.0012	-5.1535
3325	0.00	-1.13	.0115	.0204	-.0012	-.0009	-.0011	-1.6631
3326	0.00	.90	.0483	.0112	.0188	.0020	-.0024	4.3196
3327	0.00	2.94	.1155	.0166	.0167	.0021	-.0010	6.9579
3328	0.00	5.01	.2003	.0269	.0212	.0016	-.0007	7.4469
3329	0.00	7.07	.2924	.0458	.0277	.0036	-.0017	6.3909
3330	0.00	9.02	.3705	.0656	.0473	.0010	-.0014	5.6456
3331	0.00	11.09	.4813	.0986	.0818	-.0050	-.0031	4.8820
3332	0.00	13.08	.5695	.1351	.0995	-.0032	-.0048	4.2145
3333	0.00	15.05	.6604	.1803	.1160	-.0035	-.0037	3.6620
3334	0.00	17.02	.7482	.2304	.1452	-.0036	-.0029	3.2471
3335	0.00	18.96	.8054	.2791	.1760	-.0004	-.0025	2.8861
3336	0.00	20.92	.8933	.3448	.2010	-.0044	-.0039	2.5909

RUN 240

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4140	0.00	-5.16	.1061	.0333	-.0016	-.0006	-.0007	3.1814	
4141	0.00	-3.20	.1755	.0337	-.0975	-.0001	-.0000	5.2108	
4142	0.00	-1.11	.2438	.0376	-.0975	-.0028	-.0001	6.4775	
4143	0.00	.91	.3126	.0434	-.0941	-.0051	-.0005	7.1972	
4144	0.00	2.95	.3916	.0561	-.0972	-.0041	-.0004	6.9805	
4145	0.00	5.03	.4865	.0748	-.0923	-.0033	-.0001	6.5012	
4146	0.00	6.99	.5712	.0993	-.0809	-.0040	-.0006	5.7534	
4147	0.00	8.96	.6617	.1330	-.0639	-.0039	-.0009	4.9760	
4148	0.00	11.04	.7578	.1747	-.0378	-.0049	-.0004	4.3386	
4149	0.00	13.07	.8387	.2198	-.0208	-.0044	-.0005	3.8153	
4150	0.00	15.02	.9260	.2732	-.1057	-.0042	-.0009	3.3893	
4151	0.00	16.97	.9979	.3308	-.0329	-.0016	-.0006	3.0170	
4152	0.00	18.90	.0712	.3934	-.0733	-.0007	-.0013	2.7233	
4153	0.00	20.88	1.1166	.4552	.1141	-.0042	-.0013	2.4572	

RUN 256

POINT	BETA	CD	CPM	CRM	CSF	CYN	L/D
4270	0.00	.0245	-0.0565	.0011	.0004	2.5735	
4271	0.00	.0351	-.0009	-.0014	.0017	4.5708	
4272	0.00	.0379	-.0023	-.0011	.0011	6.2640	
4273	0.00	.0439	-.0017	-.0039	.0015	6.9604	
4274	0.00	.0573	-.0016	-.0026	.0012	6.9214	
4275	0.00	.0755	-.0018	-.0064	.0028	6.1772	
4276	0.00	.0993	-.0042	-.0015	.0019	5.5001	
4277	0.00	.1344	-.0056	-.0030	.0018	4.8552	
4278	0.00	.1737	-.0034	-.0025	.0019	4.2586	
4279	0.00	.2208	-.0153	-.0048	.0011	3.7661	
4280	0.00	.2724	-.0062	-.0072	.0017	3.3382	
4281	0.00	.3316	-.0365	-.0051	.0006	2.9848	
4282	0.00	.3971	-.0679	-.0034	.0024	2.6733	
4283	0.00	.4539	-.1071	-.0060	.0010	2.4399	
4284	0.00	.4655	.2011	-.0060	-.0151	2.5220	

RUN 262

POINT	BETA	CL	CD	CPM	CRM	CSF	CYN	L/D
4691	0.00	-.1574	.0239	.0178	.0044	-.0015	-.0012	-6.5745
4692	0.00	-.0754	.0159	.0148	.0040	-.0024	-.0004	-4.7332
4693	0.00	-1.17	-.0052	.0119	.0082	-.0032	-.0058	-.4338
4694	0.00	.89	.0545	.0131	.0055	-.0025	-.0018	4.1410
4695	0.00	2.97	.1268	.0170	.0025	-.0009	-.0030	7.4438
4696	0.00	4.98	.2095	.0270	.0078	-.0002	-.0008	7.7457
4697	0.00	7.01	.3070	.0450	.0165	-.0010	-.0008	6.8202
4698	0.00	9.00	.3914	.0675	.0365	-.0035	-.0009	5.7989
4699	0.00	11.08	.4912	.0994	.0598	-.0017	-.0040	4.9424
4700	0.00	13.07	.5872	.1374	.0802	-.0005	-.0042	4.2741
4701	0.00	15.02	.6672	.1795	.1014	-.0021	.0015	3.7182
4702	0.00	16.98	.7491	.2297	.1198	-.0033	.0034	3.2620
4703	0.00	18.96	.8294	.2866	.1453	-.0044	.0055	2.8942
4704	0.00	20.95	.9170	.3550	.1666	-.0018	.0019	2.5834
4705	0.00	22.76	.9870	.4195	.1878	-.0008	-.0023	2.3529

## RUN 263

POINT	CL	CYD	CSF	CYM	L/D
4706	-5.16	-1.901	.0299	.0699	-6.3493
4707	0.00	-3.22	-1.117	.0197	-5.6795
4708	0.00	-1.18	-0.487	.0150	-3.2366
4709	0.00	0.95	.0212	.0136	.0017
4710	0.00	2.94	.01032	.0168	.0027
4711	0.00	4.96	.01811	.0252	.0010
4712	0.00	6.98	.02645	.0405	.0017
4713	0.00	8.97	.03648	.0630	.0029
4714	0.00	11.04	.04577	.0927	.0001
4715	0.00	13.05	.05503	.1292	.0012
4716	0.00	15.04	.06398	.1728	.0012
4717	0.00	16.98	.07121	.2187	.0017
4718	0.00	16.92	.08006	.2765	.0002
4719	0.00	21.93	.08752	.3383	.0012
4720	0.00	22.77	.09575	.4060	.0005

## RUN 264

POINT	CL	CYD	CSF	CYM	L/D
4721	-5.17	-2103	.0367	.0039	-5.7375
4722	0.00	-3.19	-1346	.0257	-5.2340
4723	0.00	-1.16	-0.576	.0195	-2.9601
4724	0.00	0.88	.0132	.0172	-0.0014
4725	0.00	2.95	.0854	.0197	-0.0005
4726	0.00	4.97	.01567	.0271	-0.0017
4727	0.00	6.98	.02560	.0432	-0.0018
4728	0.00	8.96	.03430	.0633	-0.0004
4729	0.00	8.96	.03430	.0633	-0.0004
4730	0.00	11.06	.04429	.0930	-0.0007
4731	0.00	13.07	.05332	.1288	-0.0006
4732	0.00	15.05	.06222	.1719	-0.0005
4733	0.00	17.00	.06994	.2196	-0.0008
4734	0.00	18.92	.0748	.2708	-0.0005
4735	0.00	20.90	.08538	.3324	-0.0012
		22.74	.09329	.3966	-0.0018

RUN 265

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4736	0.00	-5.16	-0.220	0.0446	0.1178	0.0007	0.0020	-0.0024	-4.9781
4737	0.00	-3.22	-0.1570	0.0338	0.1078	0.0019	-0.0014	-0.0021	-4.6466
4738	0.00	-1.18	-0.0797	0.0268	0.1074	0.0013	-0.0011	-0.0018	-2.9742
4739	0.00	.90	-0.0064	0.0241	0.1036	0.0029	-0.0026	-0.0020	-0.2653
4740	0.00	2.95	.0574	0.0254	0.1003	0.0002	-0.0025	-0.0016	2.2572
4741	0.00	4.96	.1411	0.0322	0.1026	0.0007	-0.0026	-0.0012	4.3814
4742	0.00	6.98	.2259	0.0458	0.1081	-0.0026	-0.0013	-0.0019	4.9287
4743	0.00	8.96	.3311	0.0677	0.1294	-0.0016	-0.0012	-0.0015	4.8887
4744	0.00	11.08	.4303	0.0976	0.1571	-0.0004	-0.0027	-0.0007	4.4093
4745	0.00	13.07	.5221	0.1325	0.1794	-0.0012	-0.0006	-0.0015	3.9414
4746	0.00	15.02	.5998	0.1717	0.1941	-0.0017	-0.0002	-0.0014	3.4944
4747	0.00	17.02	.6805	0.2199	0.2212	-0.0039	.0084	-0.0031	3.0949
4748	0.00	18.90	.7631	0.2733	0.2428	-0.0058	.0058	-0.0042	2.7918
4749	0.00	20.87	.8239	0.3279	0.2696	-0.0003	.0030	-0.0024	2.5127
4750	0.00	22.73	.9134	0.3980	0.2976	-0.0004	-0.0055	-0.0069	2.2949

RUN 266

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4821	0.00	-5.20	-0.1762	0.0270	0.0410	.0053	.0153	-0.0132	-6.5229
4822	0.00	-3.14	-.0945	0.0174	0.0372	0.0070	0.0148	-0.0131	-5.4412
4823	0.00	-1.16	-.0320	0.0135	0.0319	0.0059	0.0119	-0.0121	-2.3665
4824	0.00	.09	.0361	0.0130	0.0264	0.0058	0.0162	-0.0132	2.7718
4825	0.00	2.91	.1080	0.0166	0.0275	0.0044	0.0129	-0.0119	6.4907
4826	0.00	5.01	.1865	0.0256	0.0279	0.0032	0.0117	-0.0123	7.2945
4827	0.00	7.01	.2854	0.0425	0.0413	0.0041	0.0181	-0.0126	6.7186
4828	0.00	9.00	.3780	0.0651	0.0618	0.0025	0.0177	-0.0129	5.8112
4829	0.00	11.05	.4768	0.0963	0.0814	0.0019	0.0200	-0.0127	4.9492
4830	0.00	13.07	.5645	0.1327	0.1026	0.0011	0.0215	-0.0132	4.2552
4831	0.00	15.00	.6591	0.1773	0.1220	0.0006	0.0222	-0.0135	3.7170
4832	0.00	16.96	.7402	0.2274	0.1497	-0.0021	0.0237	-0.0151	3.2549
4833	0.00	18.90	.8127	0.2808	0.1690	-0.0019	0.0206	-0.0124	2.8939
4834	0.00	20.85	.8912	0.3436	0.1918	-0.0002	0.0189	-0.0148	2.5939
4835	0.00	22.73	.9807	0.4169	0.2160	-0.0010	0.0132	-0.0204	2. .4

## RUN 267

	POINT	CD	CPW	CRM	CYF	L/D
4836	0.00	-5.14	-0.1785	0.0389	0.0104	-5.8423
4837	0.00	-3.17	-0.1027	0.0229	0.0092	-4.8580
4838	0.00	-1.13	-0.0207	0.0166	0.0314	-1.2476
4839	0.00	.92	.0363	.0166	.0272	.0065
4840	0.00	2.98	.1182	.0207	.0253	.0063
4841	0.00	4.94	.1830	.0288	.0302	.0066
4842	0.00	6.96	.2759	.0446	.0357	.0053
4843	0.00	8.99	.3801	.0691	.0557	.0042
4844	0.00	11.10	.4801	.1010	.0821	.0041
4845	0.00	13.04	.5547	.1337	.1022	.0016
4846	0.00	15.00	.6474	.1782	.1180	.0012
4847	0.00	16.98	.7383	.2305	.1408	.0024
4848	0.00	18.88	.8192	.2856	.1691	-.0006
4849	0.00	20.85	.8931	.3475	.1953	.0030
4850	0.00	22.72	.9798	.4199	.2171	.0036

## RUN 269

	POINT	CD	CPW	CRM	CYF	L/D
4851	0.00	-5.38	-0.1687	0.0328	0.0119	-5.1454
4852	0.00	-3.19	-.0962	0.0240	0.0102	-4.0555
4853	0.00	-1.20	-.0145	0.0192	0.0302	-.0316
4854	0.00	.68	.0497	0.0190	0.0281	-.0315
4855	0.00	2.95	.1193	.0233	.0271	-.0315
4856	0.00	4.94	.1900	.0320	.0282	-.0315
4857	0.00	6.93	.2691	.0467	.0328	-.0315
4858	0.00	8.96	.3827	.0722	.0624	-.0315
4859	0.00	11.06	.4811	.1034	.0833	-.0313
4860	0.00	13.03	.5659	.1395	.1031	-.0313
4861	0.00	15.02	.6511	.1825	.1148	-.0313
4862	0.00	16.96	.7391	.2335	.1396	-.0313
4863	0.00	18.91	.7985	.2828	.1717	-.0314
4864	0.00	20.95	.8927	.3527	.1968	-.0314
4865	0.00	22.70	.9718	.4183	.2152	-.0390

RUN 269

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4936	0.00	-5.14	.0256	.0256	.0397	.0034	-.0014	-.0005	-6.9905
4937	0.00	-3.20	-.1016	-.0169	.0343	.0026	-.0024	-.0002	-6.0278
4938	0.00	-1.15	-.0275	-.0122	.0282	.0023	-.0078	-.0014	-2.2467
4939	0.00	1.01	.0396	.0118	.0266	.0028	-.0001	-.0006	3.3485
4940	0.00	2.90	.1141	.0156	.0281	.0004	-.0027	-.0005	7.3289
4941	0.00	4.94	.1925	.0247	.0282	.0020	-.0020	-.0001	7.7868
4942	0.00	6.98	.2881	.0419	.0400	.0011	-.1033	-.0012	6.8779
4943	0.00	8.98	.3704	.0630	.0560	.0006	-.0015	-.0004	5.8759
4944	0.00	11.07	.4783	.0957	.0830	-.0017	-.0004	-.0005	4.9972
4945	0.00	13.03	.5665	.1320	.1033	-.0006	-.0025	-.0003	4.2927
4946	0.00	15.04	.6503	.1751	.1183	-.0004	-.0004	-.0007	3.7146
4947	0.00	17.03	.7446	.2287	.1476	-.0012	-.0007	-.0004	3.2561
4948	0.00	18.97	.8083	.2795	.1788	-.0009	-.0019	-.0001	2.8920
4949	0.00	20.93	.8943	.3446	.1952	-.0002	-.0007	-.0025	2.5950
4950	0.00	22.78	.9773	.4148	.2173	-.0002	-.0048	-.0054	2.3561

RUN 270

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
5021	10.00	-3.22	-.1104	-.0166	.0233	.0021	-.0675	.0135	-6.6363
5022	10.00	.90	.0357	.0110	.0180	-.0036	-.0694	.0151	3.2484
5023	10.00	4.97	.1866	.0245	.0224	-.0107	-.0661	.0155	7.7072
5024	10.00	8.96	.3585	.0592	.0518	-.0188	-.0624	.0155	6.0533
5025	10.00	13.06	.5291	.1213	.0891	-.0236	-.0573	.0154	4.3631
5026	10.00	16.96	.6984	.2129	.1269	-.0339	-.0458	.0186	3.2810
5027	10.00	20.87	.8706	.3311	.1633	-.0311	-.0554	.0023	2.6291

## RUN 271

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYH	L/D
5128	5.00	-3.20	-0.948	.0165	.0354	.0026	-.0304	-5.7575
5129	5.00	.89	.0263	.0117	.0266	-.0013	-.0305	2.2399
5130	5.00	4.97	.1922	.0248	.0287	-.0046	-.0295	7.7345
5131	5.00	3.00	.3736	.0627	.0564	-.0095	-.0238	5.9623
5132	5.00	13.06	.5556	.1288	.0996	-.0147	-.0241	4.3145
5133	5.00	16.97	.7305	.2216	.1387	-.0122	-.0236	3.2972
5134	5.00	20.88	.8983	.3416	.1752	-.0131	-.0309	2.6297

## RUN 272

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYH	L/D
5205	0.00	-5.18	-1546	.0233	.0284	.0044	-.0023	-6.6286
5206	0.00	-3.24	-.0927	.0158	.0256	.0031	-.0026	-5.8804
5207	0.00	-1.17	-.0199	.0118	.0203	.0032	-.0044	-1.6926
5208	0.00	.88	.0423	.0118	.0204	.0018	-.0028	3.5970
5209	0.00	2.95	.1153	.0151	.0192	.0043	-.0043	7.6615
5210	0.00	4.78	.1913	.0241	.0205	.0030	-.0013	7.9518
5211	0.00	6.99	.2798	.0402	.0345	-.0002	-.0035	6.9601
5212	0.00	8.99	.3800	.0637	.0593	-.0007	-.0004	5.9699
5213	0.00	11.07	.4827	.0958	.0863	-.0014	-.0029	5.0401
5214	0.00	13.07	.5639	.1308	.1017	-.0020	-.0033	4.3128
5215	0.00	15.04	.6466	.1730	.1226	-.0004	-.0018	3.7384
5216	0.00	17.05	.7413	.2262	.1446	-.0027	-.0059	3.2776
5217	0.00	18.95	.8175	.2806	.1731	-.0036	-.0061	2.9137
5218	0.00	20.91	.8953	.3429	.1976	-.0007	-.0018	2.6108
5219	0.00	22.79	.9794	.4144	.2242	-.0015	-.0043	2.3634

RUN 273

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
5290	10.00	-3.20	-.0915	.0156	.0200	.0014	-.0618	.0107	-5.8711
5291	10.00	.88	.0321	.0110	.0239	-.0041	-.0636	.0119	2.9336
5292	10.00	4.95	.1826	.0237	.0277	-.0128	-.0573	.0116	7.7025
5293	10.00	8.97	.3493	.0572	.0594	-.0205	-.0563	.0108	6.1012
5294	10.00	13.07	.5237	.1194	.1025	-.0257	-.0489	.0103	4.3848
5295	10.00	17.07	.6835	.2084	.1474	-.0317	-.0413	.0165	3.2798
5296	10.00	20.91	.8625	.3286	.1898	-.0313	-.0482	-.0019	2.6246

RUN 274

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
5367	5.00	-3.24	-.0878	.0152	.0222	.0050	-.0327	.0061	-5.7632
5368	5.00	.86	.0414	.0111	.0200	-.0000	-.0331	.0072	3.7250
5369	5.00	4.96	.1867	.0241	.0242	-.0038	-.0331	.0069	7.7510
5370	5.00	9.01	.3737	.0623	.0618	-.0106	-.0246	.0056	5.9987
5371	5.30	13.14	.5497	.1275	.0994	-.0145	-.0233	.0057	4.3116
5372	5.00	17.06	.7217	.1445	-.0140	-.0252	-.0035	.0035	3.2753
5373	5.00	20.94	.8910	.3398	.1868	-.0127	-.0321	-.0050	2.6221

RUN 275

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
5444	0.00	-3.22	-.0892	.0153	.0209	.0021	-.0002	-.0008	-5.8312
5445	0.00	.92	.0457	.0113	.0173	.0017	-.0024	-.0011	4.0458
5446	0.00	4.96	.1953	.0242	.0220	.0011	-.0015	-.0009	8.0657
5447	0.00	9.04	.3789	.0625	.0579	.0019	-.0012	-.0002	5.9707
5448	0.00	13.07	.5640	.1303	.1038	-.0028	-.0020	-.0002	4.3281
5449	0.00	17.00	.7442	.2262	.1435	-.0040	-.0020	-.0004	3.2906
5450	0.00	20.95	.8608	.3389	.1983	-.0006	-.0004	-.0016	2.5987

RUN 276

	POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYN	L/D
5521	2.00	-3.22	.0291	.0159	.0205	.0043	.0067	-0.030	-5.6184	
5522	2.00	.89	.0355	.0111	.0188	.0021	.0068	-0.022	3.2019	
5523	2.00	4.97	.1926	.0245	.0217	.0013	.0046	-0.024	7.8833	
5524	2.00	9.02	.3768	.0628	.0583	.0026	.0022	-0.023	5.9958	
5525	2.00	13.09	.5638	.1305	.1010	.0053	.0020	-0.021	4.3205	
5526	2.00	17.04	.7330	.2228	.1465	.0039	.0043	-0.044	3.2902	
5527	2.00	20.93	.8865	.3396	.1990	.0030	.0160	-0.020	2.6104	

RUN 277

	POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYN	L/D
5628	5.00	-3.21	-0.929	.0157	.0202	.0056	.0140	-0.054	-5.9271	
5629	5.00	.90	.0360	.0109	.0224	.0005	.0121	-0.036	3.4905	
5630	5.00	5.01	.1957	.0248	.0271	.0022	.0133	-0.056	7.9023	
5631	5.00	9.00	.563	.0607	.0596	.0110	.0086	-0.063	5.8732	
5632	5.00	13.07	.5573	.1289	.1027	.0121	.0068	-0.054	4.3224	
5633	5.00	17.05	.7380	.2249	.1476	.0127	.0127	-0.078	3.2810	
5634	5.00	20.91	.8945	.3416	.1918	.0119	.0159	-0.132	2.6197	

RUN 278

	POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYN	L/D
5705	10.00	-3.17	-0.946	.0151	.0190	.0074	.0067	-0.065	-6.2781	
5706	10.00	.02	.0419	.0105	.0249	.0067	.0269	-0.091	4.0043	
5707	10.00	5.02	.2048	.0241	.0276	.0042	.0216	-0.096	8.3594	
5708	10.00	8.95	.3537	.0582	.0590	.0140	.0174	-0.106	6.1600	
5709	10.00	13.14	.5159	.1182	.0967	.0202	.0146	-0.112	4.3669	
5710	10.00	17.08	.6915	.2109	.1492	.0284	.0073	-0.065	3.2766	
5711	10.00	20.93	.8443	.3209	.1877	.0302	.1183	-0.118	2.6310	

## RUN 279

POINT	BETA	ALPHA	CD	CRM	CSF	CYM	L/D
5782	15.00	-3.23	.0958	.0150	.0093	-.0465	-6.3896
5783	15.00	.91	.0450	.0105	.0007	-.0465	4.2644
5784	15.00	5.00	.1626	.0226	.0188	-.0438	7.1861
5785	15.00	9.03	.3300	.0547	.0530	-.0116	6.0331
5786	15.00	13.08	.5101	.1445	.1002	-.0271	4.4556
5787	15.00	17.04	.6510	.1962	.1379	-.0352	3.3175
5788	15.00	20.92	.8190	.3087	.1849	-.0372	2.6533

## RUN 280

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYM	L/D
5859	20.00	-3.18	-.1233	.0137	-.0232	*.0161	-.0707	-9.0064
5860	20.00	.89	.0082	.0094	.0008	*.0031	-.0737	-.0295
5861	20.00	5.11	.1455	.0199	.0031	-.0075	-.0742	*.8791
5862	20.00	9.00	.3137	.0532	.0394	-.0246	-.0713	7.3082
5863	20.00	13.04	.4628	.1037	.0846	-.0309	-.0654	5.8950
5864	20.00	17.04	.5916	.1778	.1379	-.0383	-.0547	4.4625
5865	20.00	20.97	.7427	.2812	.1803	-.0482	-.0547	3.3269

## RUN 281

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYM	L/D
5936	0.00	-3.18	.1674	.0327	-.0938	*.0019	*.0000	5.1220
5937	0.00	.93	.3145	.0431	-.0928	*.0018	-.0033	7.2987
5938	0.00	5.00	.4758	.0731	-.0941	-.0006	-.0014	6.5069
5939	0.00	9.05	.6555	.1310	-.0629	-.0031	-.0001	5.0025
5940	0.00	13.11	.8372	.2194	-.0177	-.0015	*.0020	3.8154
5941	0.00	17.01	.9906	.3270	.0291	-.0012	*.0008	3.0293
5942	0.00	20.91	1.0943	.4481	.0950	-.0020	-.0014	2.4422

## RUN 282

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
604.3	2.00	-3.20	.1779	.0335	-.0932	-.0014	-.0035	-.0014	5.3032
604.4	2.00	.93	.3224	.0441	-.0926	-.0020	-.0062	-.0020	7.3161
604.5	2.00	4.98	.4802	.0740	-.0942	-.0042	-.0035	-.0017	6.4925
604.6	2.00	8.94	.6592	.1307	-.0662	-.0065	-.0008	-.0020	5.0446
604.7	2.00	13.04	.8371	.2187	-.0178	-.0092	-.0001	-.0024	3.8283
604.8	2.00	16.97	.9982	.3299	-.0356	-.0086	-.0022	-.0044	3.0259
604.9	2.00	20.82	1.1289	.4569	-.1102	-.0091	-.0146	-.0129	2.4708

## RUN 283

POINT	BET1A	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
612.0	5.00	-3.22	.1718	.0337	-.0951	-.0015	-.0132	-.0043	5.1011
612.1	5.00	.88	.3004	.0436	-.0899	-.0043	-.0131	-.0034	6.8896
612.2	5.00	4.94	.4769	.0728	-.0881	-.0070	-.0102	-.0045	6.5535
612.3	5.00	8.97	.6466	.1282	-.0572	-.0126	-.0053	-.0045	5.0422
612.4	5.00	13.03	.8245	.2140	-.0104	-.0157	-.0035	-.0046	3.8529
612.5	5.00	16.98	.9679	.3160	-.0454	-.0097	-.0105	-.0061	3.0002
612.6	5.00	20.89	1.0967	.4462	-.1016	-.0143	-.0207	-.0158	2.4578

## RUN 284

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
619.7	10.00	-3.19	.1574	.0325	-.0940	-.0019	-.0292	-.0096	4.8410
619.8	10.00	.87	.2951	.0437	-.0917	-.0092	-.0274	-.0088	6.7574
619.9	10.00	4.96	.4555	.0711	-.0849	-.0157	-.0205	-.0096	6.4094
620.0	10.00	8.96	.6139	.1223	-.0517	-.0259	-.0152	-.0109	5.0187
620.1	10.00	13.07	.7388	.1939	-.0053	-.0223	-.0116	-.0105	3.8104
620.2	10.00	16.97	.8866	.2957	-.0618	-.0285	-.0063	-.0066	2.9987
620.3	10.00	20.84	1.0345	.4210	-.1120	-.0307	-.0243	-.0158	2.4574

## RUN 285

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6274	15.00	-3.20	.1536	.0313	-.0975	-.0021	-.0464	-.0169	4.9105
6275	15.00	.93	.2859	.0427	-.0898	-.0097	-.0448	-.0149	6.6907
6276	15.00	4.94	.4205	.0682	-.0853	-.0210	-.0417	-.0189	6.1680
6277	15.00	8.95	.5738	.1153	-.0482	-.0300	-.0343	-.0201	4.9784
6278	15.00	13.04	.6936	.1825	-.0096	-.0315	-.0259	-.0184	3.8009
6279	15.00	16.97	.8273	.2750	-.0610	-.0372	-.0177	-.0157	3.0084
6280	15.00	20.82	.9762	.3938	.1137	-.0398	-.0436	-.0290	2.4787

## RUN 286

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6351	20.00	-3.17	.1298	.0313	-.1229	-.0011	-.0705	-.0285	4.1491
6352	20.00	.90	.2559	.0415	-.1080	-.0113	-.0287	-.0287	6.1706
6353	20.00	4.99	.4025	.0671	-.0945	-.0250	-.0696	-.0313	5.9960
6354	20.00	8.96	.5452	.1097	-.0483	-.0337	-.0610	-.0335	4.9692
6355	20.00	13.03	.6489	.1705	.0064	-.0404	-.0576	-.0373	3.8059
6356	20.00	16.95	.7631	.2563	.0616	-.0431	-.0423	-.0306	2.9778
6357	20.00	20.80	.8993	.3629	.1157	-.0473	-.0512	-.0387	2.4779

RUN 287

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CY/M	L/D
6458	0.00	-5.12	-1543	.0238	.0142	.0031	-.0005	-6.4964
6459	0.00	-3.19	-871	.0148	.0133	.0035	-.0003	-5.8728
6460	0.00	-1.21	-0180	.0112	.0123	.0013	-.0006	-1.6014
6461	0.00	.99	0415	.0112	.0144	-.002	-.0007	3.7088
6462	0.00	2.91	1085	.0148	.0123	.0012	-.0013	-0.002
6463	0.00	4.92	1892	.0235	.0124	-.0011	-.0004	8.0397
6464	0.00	7.05	2784	.0397	.0230	-.0013	-.0002	7.0093
6465	0.00	8.99	3786	.0628	.0523	-.0016	-.0009	6.0292
6466	0.00	11.08	4818	.0946	.0719	-.0030	-.0007	5.0942
6467	0.00	13.08	5677	.1304	.0976	-.0040	-.0002	4.3535
6468	0.00	15.07	6539	.1738	.1169	-.0024	-.0004	3.7632
6469	0.00	17.01	7448	.2255	.1412	-.0050	-.0032	3.3023
6470	0.00	18.98	8231	.2810	.1683	-.0065	-.0051	2.9291
6471	0.00	20.90	8900	.3365	.2000	-.0039	-.0026	2.6215
6472	0.00	22.74	9607	.4034	.2221	-.0013	-.0023	2.3812

RUN 303

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CY/M	L/D
6589	-5.00	-3.19	-0881	.0151	.0161	-.0017	.0038	-5.8198
6590	-5.00	.96	0422	.0105	.0130	.0024	.0040	4.0358
6591	-5.00	5.01	1651	.0238	.0185	.0052	.0032	8.2145
6592	-5.00	9.00	3665	.0602	.0493	.0090	.0028	6.0898
6593	-5.00	13.09	5638	.1296	.0979	.0051	.0068	4.3516
6594	-5.00	16.98	7224	.2178	.1385	.0048	.0065	3.3163
6595	-5.00	20.89	8835	.3362	.1830	.0062	.0125	2.6279

## RUN 311

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
6717	5.00	-3.20	-0.980	.0170	.0078	.0029	-.0051	-5.7788
6718	5.00	.89	.0455	.0118	.0085	.0002	-.0055	3.8641
6719	5.00	4.98	.1916	.0242	.0205	-.0015	-.0054	7.9095
6720	5.00	9.00	.3707	.0619	.0503	-.0068	-.0009	5.9881
6721	5.00	13.12	.5566	.1285	.0947	-.0117	-.0010	4.3330
6722	5.00	17.04	.7096	.2154	.1333	-.0135	-.0012	3.2944
6723	5.00	20.91	.8846	.3362	.1876	-.0104	-.0136	2.6310

## RUN 319

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
6815	10.00	-3.19	-0.985	.0157	.0118	.0075	-.0193	-6.2833
6816	10.00	.92	.0399	.0107	.0163	-.0009	-.0166	3.7199
6817	10.00	4.99	.1771	.0227	.0215	-.0044	-.0137	7.7860
5818	10.00	8.98	.3551	.0578	.0534	-.0140	-.0096	6.1477
6819	10.00	13.09	.5302	.1202	.1003	-.0185	-.0031	4.4116
6820	10.00	17.03	.6940	.2091	.1446	-.0269	-.0037	3.3196
6821	10.00	20.87	.8410	.3167	.1864	-.0263	-.0103	2.6557

## RUN 327

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
6913	-10.00	-3.21	-.0818	.0143	.0138	-.0021	.0163	-5.7187
6914	-10.00	.90	.0475	.0103	.0140	-.0012	.0161	4.6143
6915	-10.00	5.01	.1933	.0232	.0222	-.0082	.0117	8.3302
6916	-10.00	8.99	.3613	.0588	.0521	-.0132	.0083	6.1449
6917	-10.00	13.06	.5312	.1203	.0989	-.0168	-.0095	4.4144
6918	-10.00	17.03	.6864	.2069	.1473	-.0223	-.0086	3.3181
6919	-10.00	20.90	.8442	.3187	.1867	-.0231	-.0222	2.6490

## RUN 335

POINT	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
7011	-5.18	.0751	.0450	-.0790	.0031	-.0013	.0005	1.06686
7012	0.00	-3.20	.1418	.0420	-.0792	-.0022	-.0028	3.03729
7013	0.00	-1.17	.2088	.0424	-.0829	.0033	-.0050	4.09287
7014	0.00	.99	.2912	.0482	-.0850	.0004	-.0009	6.0402
7015	0.00	2.95	.3668	.0571	-.0893	-.0000	-.0023	6.4282
7016	0.00	5.03	.4495	.0722	-.0848	-.0015	-.0004	6.2249
7017	0.00	7.04	.5254	.0940	-.0752	-.0004	-.0019	5.05895
7018	0.00	8.98	.5971	.1186	-.0470	-.0017	-.0002	5.0366
7019	0.00	11.07	.6834	.1536	-.0197	-.0019	-.0006	4.04492
7020	0.00	13.06	.7584	.1911	-.0140	-.0023	-.0019	3.09689
7021	0.00	15.08	.8357	.2371	-.0399	-.0018	-.0004	3.05246
7022	0.00	17.02	.9151	.2881	-.0584	-.0022	-.0007	3.01768
7023	0.00	18.99	.9856	.3454	-.0931	-.0007	-.0013	2.008537
7024	0.00	21.02	1.0553	.4095	-.1232	-.0005	-.0008	2.005767
7025	0.00	22.79	1.0995	.4711	-.1426	-.0056	-.0054	2.003341

## RUN 350

POINT	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
7168	-5.17	.0634	.0510	-.0734	.0019	-.0006	-.0007	1.02434
7169	0.00	-3.16	.1261	.0474	-.0792	.0016	-.0021	2.06587
7170	0.00	-1.14	.1993	.0480	-.0854	-.0011	-.0021	4.01554
7171	0.00	.93	.2860	.0508	-.0857	-.0014	-.0007	5.06306
7172	0.00	2.99	.3596	.0600	-.0928	-.0034	-.0014	5.09910
7173	0.00	4.99	.4379	.0736	-.0914	-.0021	-.0012	5.09460
7174	0.00	7.03	.5184	.0928	-.0794	-.0010	-.0007	5.05840
7175	0.00	8.99	.5987	.1189	-.0572	-.0033	-.0002	5.00357
7176	0.00	11.08	.6629	.1490	-.0307	-.0023	-.0009	4.04493
7177	0.00	13.12	.7318	.1847	-.0088	-.0039	-.0025	3.09627
7178	0.00	15.07	.7954	.2238	-.0105	-.0032	-.0028	3.05547
7179	0.00	17.05	.8559	.2694	-.0267	-.0028	-.0013	3.01771
7180	0.00	18.98	.9341	.3240	-.0522	-.0031	-.0029	2.08827
7181	0.00	20.96	.9996	.3820	-.0398	-.0051	-.0012	2.06165
7182	0.00	22.81	1.0608	.4429	-.0910	-.0048	-.0039	2.03949

## RUN 366

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
7298	0.00	-5.17	.0325	.0540	-.0765	.0038	-.0014	-.0004	.6028
7299	0.00	-3.16	.1100	.0479	-.0790	.0032	-.0004	-.0008	2.2954
7300	0.00	-1.15	.1990	.0467	-.0866	.0013	-.0002	-.0002	4.2638
7301	0.00	.94	.2670	.0516	-.0922	.0022	-.0016	-.0000	5.1747
7302	0.00	2.98	.3509	.0600	-.0980	.0021	-.0018	-.0001	5.8469
7303	0.00	5.02	.4430	.0746	-.0970	-.0009	-.0005	-.0001	5.9366
7304	0.00	6.99	.5145	.0918	-.0917	-.0014	-.0013	-.0001	5.6058
7305	0.00	9.00	.5914	.1156	-.0737	-.0021	-.0015	-.0000	5.1145
7306	0.00	11.09	.6616	.1462	-.0537	-.0025	-.0008	-.0003	4.5268
7307	0.00	13.11	.7326	.1810	-.0337	-.0031	-.0017	-.0007	4.0484
7308	0.00	15.10	.7906	.2177	-.0184	-.0019	-.0009	-.0012	3.6319
7309	0.00	17.06	.8591	.2624	-.0007	-.0028	-.0012	-.0006	3.2735
7310	0.00	18.97	.9143	.3082	-.0149	-.0020	-.0052	-.0034	2.9671
7311	0.00	20.96	.9870	.3667	-.0338	-.0027	-.0067	-.0023	2.6912
7312	0.00	22.78	1.0459	.4238	-.0501	-.0012	-.0153	-.0065	2.4679

## RUN 382

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
7356	0.00	-5.17	.0280	.0549	-.0762	.0074	-.0040	-.0011	.5089
7357	0.00	.89	.2673	.0517	-.0913	.0044	-.0028	-.0004	5.1683
7358	0.00	7.01	.5162	.0928	-.0912	-.0016	-.0009	-.0002	5.5637
7359	0.00	13.11	.7307	.1799	-.0314	-.0007	-.0008	-.0006	4.0609
7360	0.00	18.98	.9144	.3086	-.0150	-.0004	-.0014	-.0002	2.9629
7361	0.00	22.77	1.0443	.4229	-.0512	-.0022	-.0051	-.0020	2.4692

RUN 383

POINT	BETA	ALPHA	CL	CD	CPW	CRM	CSF	CYM	L/D
7462	0.00	-5.11	•0403	•0541	•0892	•0042	-•0020	-•0011	•7454
7463	0.00	-3.26	•1027	•0498	•0939	•0043	-•0020	•0003	2.0606
7464	0.00	-1.24	•1854	•0481	•0953	•0047	-•0015	•0007	3.8525
7465	0.00	.94	•2711	•0523	•0988	•0029	-•0008	•0006	5.1871
7466	0.00	2.89	•3548	•0599	•1041	•0012	-•0014	•0003	5.9267
7467	0.00	5.04	•4330	•0728	•1064	•0005	-•0021	•0001	5.9452
7468	0.00	7.04	•5081	•0898	•1006	•0013	-•0022	•0001	5.6579
7469	0.00	9.03	•5765	•1100	•0832	•0014	-•0003	•0003	5.2416
7470	0.00	11.07	•6473	•1389	•0682	•0026	-•0013	-•0006	4.6587
7471	0.00	13.07	•7036	•1698	•0535	•0022	-•0002	-•0003	4.1444
7472	0.00	15.13	•7806	•2083	•0358	•0018	-•0014	•0003	3.7470
7474	0.00	16.99	•8401	•2480	•0259	•0021	-•0029	-•0001	3.3879
7475	0.00	19.01	•8987	•2953	•0116	•0015	-•0060	-•0022	3.0431
7476	0.00	20.89	•9448	•3404	•0047	•0004	-•0005	-•0015	2.7758
7477	0.00	22.69	1.0238	•4327	•0198	•0002	-•0032	-•0024	2.5420

RUN 399

POINT	BETA	ALPHA	CL	CD	CPW	CRM	CSF	CYM	L/D
7594	0.00	-5.17	•0593	•0511	-•0946	•0036	-•0014	-•0009	1.1601
7595	0.00	-3.19	•1260	•0463	-•0985	•0051	-•0033	-•0005	2.7229
7596	0.00	-1.08	•1974	•0455	-•0996	•0032	-•0041	-•0010	4.3346
7597	0.00	.91	•2688	•0487	-•1039	•0057	-•0050	-•0003	5.5177
7598	0.00	3.03	•3492	•0555	-•1095	•0027	-•0036	•0000	6.2857
7599	0.00	5.01	•4189	•0658	-•1124	•0021	-•0030	•0003	6.3697
7600	0.00	7.01	•4929	•0815	-•1075	•0012	-•0028	•0008	6.0492
7601	0.00	8.98	•5617	•1035	-•0918	•0012	-•0014	•0009	5.4291
7602	0.00	11.09	•6380	•1314	-•0763	•0006	-•0009	•0004	4.8543
7603	0.00	13.06	•7014	•1613	-•0702	-•0014	-•0005	•0011	4.3468
7604	0.00	15.11	•7728	•1962	-•0654	-•0012	-•0001	-•0001	3.9382
7605	0.00	17.04	•8343	•2342	-•0544	-•0015	-•0033	•0006	3.5624
7606	0.00	18.93	•8865	•2736	-•0467	-•0015	-•0049	•0024	3.2398
7608	0.00	22.70	1.0059	•3714	-•0201	•0016	-•0089	-•0022	2.7085

POINT	BETA	ALPHA	CD	CRM	CSF	CYM	L/D
7832	0.00	-5.15	-0.0172	0.0442	-0.0669	-0.0047	-0.3889
7833	0.00	-3.17	-0.0516	0.0372	-0.0669	-0.0034	1.3891
7834	0.00	-1.17	-0.1170	0.0336	-0.0557	-0.0038	3.4761
7835	0.00	-0.93	-0.2002	0.0332	-0.0559	-0.0052	6.0235
7836	0.00	2.95	-0.2667	0.0379	-0.0747	-0.0037	7.0345
7137	0.00	5.01	-0.3522	0.0460	-0.0746	-0.0016	7.6546
7838	0.00	7.05	-0.4218	0.0615	-0.0744	-0.0016	6.8610
7839	0.00	9.00	-0.4893	0.0807	-0.0628	-0.0009	-0.0025
7840	0.00	11.10	-0.5751	0.1072	-0.0419	-0.0019	5.3655
7841	0.00	13.07	-0.6511	0.1368	-0.0358	-0.0021	0.0017
7842	0.00	15.05	-0.7134	0.1696	-0.0327	-0.0026	4.2062
7843	0.00	16.98	-0.7783	0.2051	-0.0285	-0.0021	-0.0000
7844	0.00	18.96	-0.8461	0.2478	-0.0187	-0.0020	3.4149
7845	0.00	20.84	-0.9054	0.2927	-0.0114	-0.0012	3.0931
7846	0.00	22.78	-0.9630	0.3437	-0.0002	-0.0013	-0.0005

POINT	BETA	ALPHA	CD	CRM	CSF	CYM	L/D
7992	0.00	-5.17	-0.0252	0.0441	-0.0708	-0.0052	-0.5716
7993	0.00	-2.98	-0.0528	0.0369	-0.0687	-0.0036	1.4294
7994	0.00	-1.18	-0.1228	0.0335	-0.0679	-0.0023	-0.0003
7995	0.00	-0.91	-0.1981	0.0337	-0.0716	-0.0045	3.6647
7996	0.00	2.02	-0.2774	0.0377	-0.0757	-0.0039	-0.0034
7997	0.00	5.04	-0.3541	0.0453	-0.0765	-0.0015	-0.0023
7998	0.00	7.05	-0.4233	0.0567	-0.0704	-0.0009	-0.0003
7999	0.00	9.05	-0.4849	0.0736	-0.0590	-0.0003	-0.0006
8000	0.00	11.08	-0.5721	0.0970	-0.0465	-0.0024	-0.0009
8001	0.00	13.19	-0.6498	0.1261	-0.0386	-0.0020	-0.0006
8002	0.00	15.02	-0.7071	0.1531	-0.0377	-0.0027	-0.0019
8003	0.00	17.00	-0.7627	0.1860	-0.0275	-0.0022	-0.0009
8004	0.00	19.06	-0.8243	0.2278	-0.0151	-0.0014	-0.0015
8005	0.00	20.97	-0.8936	0.2788	-0.0052	-0.0011	-0.0002
8006	0.00	22.74	-0.9549	0.3310	-0.0095	-0.0012	-0.0008

## RUN 449

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CWM	L/D
8132	0.00	-5.23	0.559	.0494	-0.989	.0034	-0.000	1.1322
8133	0.00	-3.21	1.213	.0457	-1.011	.0056	-0.015	2.6536
8134	0.00	-1.16	2.129	.0445	-1.016	.0048	-0.038	4.7809
8135	0.00	.89	2.721	.0483	-1.071	.0048	-0.042	5.6306
8136	0.00	2.94	3.625	.0541	-1.110	.0020	-0.009	6.6941
8137	0.00	5.01	4.357	.0642	-1.126	.0004	-0.015	6.7910
8138	0.00	7.00	4.944	.0769	-1.083	-.0003	-0.037	6.4270
8139	0.00	8.96	5.624	.0961	-0.942	-.002	-0.032	5.8538
8140	0.00	11.06	6.348	.1188	-0.822	-.004	-0.040	5.3412
8141	0.00	13.06	7.061	.1479	-0.751	-.001	-0.016	4.7746
8142	0.00	15.06	7.673	.1799	-0.687	-.009	-0.007	4.2644
8143	0.00	17.00	8.246	.2138	-0.516	-.001	-0.004	3.0562
8144	0.00	18.99	8.795	.2565	-0.409	-.006	-0.038	3.4292
8145	0.00	20.43	9.250	.2927	-0.324	-.006	-0.041	3.1601
8146	0.00	22.70	1.0095	.3646	-.0137	-.012	-.0115	2.7692

## RUN 465

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CWM	L/D
8292	0.00	-5.19	-1.937	.0486	-0.093	.0059	-0.039	-3.9893
8293	0.00	-3.20	-1.142	.0352	-0.029	.0039	-0.029	-3.2443
8294	0.00	-1.18	-0.460	.0268	-0.017	.0015	-0.000	-1.7195
8295	0.00	.89	.0259	.0227	-0.026	.0015	-0.014	-0.001
8296	0.00	2.95	.1023	.0211	-0.014	.0013	-0.015	4.8535
8297	0.00	4.99	.1788	.0231	-0.055	.006	-0.033	7.7383
8298	0.00	7.00	.2543	.0304	-0.000	-.008	-0.015	8.3573
8299	0.00	9.04	.3359	.0436	-0.06	-.035	-.013	-0.010
8300	0.00	11.07	.4151	.0612	-0.225	-.033	-0.020	-0.007
8301	0.00	13.08	.4815	.0835	-0.234	-.070	-0.041	-0.002
8302	0.00	15.03	.5638	.1081	-0.486	-.005	-0.015	5.2135
8303	0.00	17.04	.6252	.1383	-0.560	-.019	-0.040	4.5212
8304	0.00	18.94	.6762	.1691	-0.639	-.008	-0.027	3.9978
8305	0.00	20.91	.7478	.2134	-0.735	-.022	-0.027	3.5034
8306	0.00	22.77	.8214	.2672	-0.876	-.004	-0.017	3.0745

RUN 481

POINT	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
8423	-5.15	.0479	.0021	.0043	-.0057	-.0009	-3.7812
8424	-3.20	-.1087	.0356	.0007	.0037	-.0003	-3.0571
8425	-1.15	-.0369	.0266	.0049	.0049	-.0027	-1.3856
8426	*.91	.0266	.0225	.0041	.0051	-.0054	1.1809
8427	0.00	2.93	*.1016	-.0021	.0054	-.0051	4.6839
8428	0.00	4.97	.1785	.0260	-.0026	-.0026	6.8655
8429	0.00	6.96	.2529	.0339	-.0003	-.0002	7.4651
8430	0.00	9.02	.3254	.0451	.0172	*.0004	7.2131
8431	0.00	11.08	.4077	.0630	*.0346	*.0009	6.4662
8432	0.00	13.10	.4945	.0889	*.0486	-.0022	5.5651
8433	0.00	15.03	.5657	.1215	*.0414	-.0010	4.6552
8434	0.00	16.98	.6453	.1617	*.0437	-.0014	3.9911
8435	0.00	18.95	.7113	.2032	*.0511	*.0006	3.5012
8436	0.00	20.86	.7725	.2441	*.0598	*.0006	3.1654
8437	0.00	22.79	.8378	.0700	*.0017	-.0073	2.8900

RUN 497

POINT	BETA	CL	CD	CRM	CSF	CYM	L/D
8583	0.00	-5.25	.0693	.0511	-.1065	-.0031	1.3542
8584	0.00	-3.26	.1345	.0469	-.1055	-.0028	2.8700
8585	0.00	-1.09	.2154	.0458	-.1088	-.0034	4.7047
8586	0.00	*.93	.2984	.0496	-.1105	-.0021	-.0003
8587	0.00	2.94	.3644	.0557	-.1149	*.0018	6.0175
8588	0.00	5.00	.4396	.0674	-.1161	-.0018	6.5441
8589	0.00	7.00	.5137	.0837	-.1122	*.0026	6.5233
8590	0.00	9.09	.5842	.1049	-.0995	*.0019	6.1343
8591	0.00	11.13	.6506	.1315	-.0855	*.0026	5.5670
8592	0.00	13.13	.7352	.1674	-.0818	*.0024	4.9917
8593	0.00	15.12	.7981	.2046	-.0730	*.0015	4.3924
8594	0.00	16.96	.8566	.2448	*.0641	*.0005	3.9004
8595	0.00	19.02	.9037	.2862	*.0438	*.0008	3.4988
8596	0.00	20.94	.9684	.3367	*.0286	*.0017	3.1569
8597	0.00	22.77	1.0200	*.0161	*.0010	-.0019	2.8761
						-.0065	2.6440

## RUN 513

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
8720	0.00	-5.13	.0642	.0472	-.1000	.0030	-.0015	-.0009	1.3613
8721	0.00	-3.17	.1424	.0432	-.1032	.0044	-.0020	-.0003	3.2977
8722	0.00	-1.10	.2148	.0428	-.1075	.0049	-.0043	-.0004	5.0136
8723	0.00	.89	.2927	.0448	-.1099	.0043	-.0042	-.0004	6.5375
8724	0.00	3.03	.3699	.0522	-.1142	.0027	-.0037	-.0000	7.0929
8725	0.00	5.00	.4376	.0611	-.1136	.0015	-.0023	-.0001	7.1634
8726	0.00	7.00	.5032	.0742	-.1093	.0009	-.0030	-.0000	6.7778
8727	0.00	9.01	.5716	.0910	-.0981	-.0012	-.0009	-.0002	6.2831
8728	0.00	11.11	.6453	.1151	-.0861	-.0010	-.0015	-.0005	5.6048
8729	0.00	13.12	.7114	.1454	-.0736	-.0012	-.0007	-.0001	4.8933
8730	0.00	15.09	.7690	.1791	-.0595	-.0007	-.0008	-.0002	4.2937
8731	0.00	17.07	.8312	.2216	-.0464	.0005	-.0011	-.0000	3.7515
8732	0.00	18.95	.9063	.2734	-.0376	-.0002	-.0025	-.0010	3.3153
8733	0.00	20.97	.9656	.3268	-.0332	-.0005	-.0021	-.0007	2.9544
8734	0.00	22.81	1.0215	.3797	-.0169	.0004	-.0120	-.0039	2.6903

## RUN 529

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
8850	0.00	-5.15	-.1893	.0441	.0046	.0028	-.0010	-.0007	-4.2952
8851	0.00	-3.22	-.1128	.0306	.0066	.0047	-.0040	-.0012	-3.6878
8852	0.00	-1.16	-.0481	.0232	.0065	.0035	-.0015	-.0002	-2.0777
8853	0.00	* 96	.0362	.0178	.0046	.0036	-.0027	-.0002	2.0325
8854	0.00	3.00	* 758	.0179	-.0017	.0016	-.0029	-.0005	5.9260
8855	0.00	5.00	.1831	.0201	-.0002	.0038	-.0045	-.0001	9.0892
8856	0.00	7.02	.2533	.0269	-.0026	.0008	-.0031	-.0005	9.4054
8857	0.00	9.00	.3248	.0380	-.0115	.0002	-.0018	-.0009	8.5493
8858	0.00	11.11	.4119	.0563	-.0264	-.0006	-.0009	-.0003	7.3101
8859	0.00	13.08	.4783	.0777	.0358	-.0014	.0005	-.0007	6.1521
8860	0.00	15.09	.5476	.1049	.0433	-.0018	.0012	-.0009	5.2180
8861	0.00	17.06	.6266	.1420	.0481	-.0016	.0031	-.0002	4.4136
8862	0.00	19.00	.7011	.1844	.0574	-.0021	.0074	-.0020	3.8018
8863	0.00	20.95	.7752	? 334	.0666	-.0012	.0030	-.0020	3.3220
8864	0.00	22.73	.8448	.854	.0709	-.0012	-.0095	-.0015	2.9598

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
9080	0.00	-5.14	-1905	.0388	-.0300	.0044	-.0041	-.0010	-2.5893
9081	0.00	-3.18	-347	.0297	-.0280	.0032	-.0017	-.0003	-1.1693
9082	0.00	-1.11	.0452	.0229	-.0290	.0038	-.0022	-.0002	1.9762
9083	0.00	'93	.1234	.0206	-.0292	.0021	-.0017	-.0004	5.9869
9084	0.00	3.00	.2021	.0227	-.0327	.0020	-.0038	-.0005	8.9066
9085	0.00	5.00	.2655	.0280	-.0361	.0007	-.0028	-.0004	9.4896
9086	0.00	7.00	.3483	.0364	-.0294	-.0013	-.0025	-.0005	9.5684
9087	0.00	9.02	.4240	.0506	-.0177	-.0018	-.0017	-.0004	8.3814
9088	0.00	11.08	.4963	.0706	-.0057	-.0023	-.0014	-.0002	7.0299
9089	0.00	13.13	.5669	.0964	-.0039	-.0032	-.0046	-.0000	5.8832
9090	0.00	15.13	.6262	.1264	-.0090	-.0011	-.0007	-.0001	4.9538
9091	0.00	17.04	.7047	.1656	-.0222	-.0011	-.0019	-.0002	4.2543
9092	0.00	19.02	.7759	.2101	-.0304	-.0021	-.0072	-.0016	3.6927
9093	0.00	20.95	.8421	.2600	-.0334	-.0002	-.0050	-.0009	3.2386
9094	0.00	22.82	.9097	.3146	-.0408	-.0004	-.0069	-.0018	2.8918

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
9240	0.00	-5.18	-0206	.0409	-.0676	.0037	-.0015	-.0005	-.5038
9241	0.00	-3.21	.0530	.0337	-.0680	.0044	-.0008	-.0006	1.5727
9242	0.00	-1.12	.1337	.0305	-.0715	.0035	-.0010	-.0004	4.3884
9243	0.00	.92	.2177	.0303	-.0711	.0016	-.0026	-.0003	7.1802
9244	0.00	2.97	.2872	.0352	-.0769	.0025	-.0022	-.0001	8.1576
9245	0.00	4.98	.3623	.0422	-.0755	.0008	-.0022	-.0001	8.5962
9246	0.00	7.01	.4213	.0533	-.0758	-.0006	-.0030	-.0004	7.9108
9247	0.00	8.99	.4992	.0685	-.0607	-.0014	-.0008	-.0002	7.2892
9248	0.00	11.09	.5754	.0915	-.0491	-.0024	-.0003	-.0002	6.2894
9249	0.00	13.05	.6371	.1174	-.0397	-.0027	-.0007	-.0005	5.4268
9250	0.00	15.06	.7068	.1514	-.0303	-.0026	-.0024	-.0005	4.6675
9251	0.00	17.03	.7693	.1912	-.0182	-.0027	-.0016	-.0000	4.0244
9252	0.00	18.93	.8505	.2419	-.0064	-.0006	-.0057	-.0018	3.5168
9253	0.00	20.92	.9212	.2970	-.0045	-.0055	-.0069	-.0035	3.015
9254	0.00	22.75	.9826	.3510	-.0088	-.0047	-.0009	-.0012	2.7994

## RUN 577

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
9370	0.00	-5.14	.0662	.0475	-.0986	.0034	-.0016	1.3948	1.4240
9371	0.00	-3.16	.1480	.0432	-.1050	.0050	-.0018	-.0005	5.2502
9372	0.00	-1.12	.2213	.0422	-.1063	.0042	-.0021	-.0003	6.6197
9373	0.00	.92	.2995	.0452	-.1056	.0030	-.0026	-.0007	6.9584
9374	0.00	2.96	.3662	.0526	-.1147	.0024	-.0028	-.0000	5.6060
9375	0.00	4.97	.4393	.0628	-.1147	.0009	-.0013	-.0003	6.9942
9376	0.00	7.01	.5088	.0752	-.1110	.0014	-.0025	-.0001	6.7653
9377	0.00	8.98	.5718	.0902	-.0966	.0013	-.0015	-.0006	6.3406
9378	0.00	11.08	.6530	.1165	-.0829	.0027	-.0014	-.0010	4.9442
9379	0.00	13.05	.7080	.1432	-.0713	.0012	-.0015	-.0004	4.3367
9380	0.00	15.02	.7710	.1778	-.0588	.0024	-.0020	-.0006	3.7678
9381	0.00	16.98	.8321	.2208	-.0474	.0033	-.0038	-.0003	3.3150
9382	0.00	18.91	.9044	.2728	-.0408	.0044	-.0053	-.0023	2.9736
9383	0.00	20.87	.9690	.3259	-.0293	.0011	-.0014	-.0008	2.6879
9384	0.00	22.77	1.0227	.3805	-.0103	-.0008	-.0141	-.0030	2.5492

## RUN 578

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
9455	0.00	-5.16	.0964	.0401	-.1098	.0047	-.0007	-.0000	2.4016
9456	0.00	-3.23	.1654	.0383	-.1149	.0027	-.0027	-.0012	4.3140
9457	0.00	-1.14	.2366	.0412	-.1138	.0023	-.0019	-.0004	5.7444
9458	0.00	.88	.2996	.0457	-.1135	.0022	-.0024	-.0003	6.5503
9460	0.00	2.94	.3788	.0554	-.1172	.0018	-.0007	-.0000	6.8407
9461	0.00	4.99	.4599	.0688	-.1174	.0013	-.0029	-.0007	6.6851
9462	0.00	7.02	.5251	.0865	-.1109	.0019	-.0012	-.0002	6.0703
9463	0.00	9.02	.5848	.1065	-.0947	.0010	-.0017	-.0003	5.4909
9464	0.00	11.06	.6538	.1335	-.0772	.0006	-.0012	-.0004	4.8970
9465	0.00	13.04	.7200	.1666	-.0678	.0024	-.0003	-.0004	4.3205
9466	0.00	15.00	.7887	.2056	-.0553	.0025	-.0023	-.0006	3.8369
9467	0.00	16.96	.8502	.2485	-.0476	.0003	-.0021	-.0006	3.4219
9468	0.00	18.94	.9106	.2973	-.0408	-.0018	-.0026	-.0017	3.0629
9469	0.00	20.86	.9693	.3467	-.0223	-.0005	-.0066	-.0018	2.7956
9470	0.00	22.73	1.0400	.3903	-.0035	-.0035	-.0085	-.0055	2.5492

RUN 594

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
9616	0.00	-5.22	.0698	-0.0947	.0044	-.0026	-.0004	1.5355
9617	0.00	-3.21	.1549	-0.0404	.0045	-.0028	-.0001	3.8324
9618	0.00	-1.10	.2195	-0.0423	.0026	-.0016	-.0004	5.1921
9619	0.00	.88	.2980	-0.0454	.0049	-.0018	-.0002	6.5683
9620	0.00	2.86	.3636	-0.0511	.0120	-.0022	-.0006	7.1115
9621	0.00	4.97	.4342	-0.0630	.1094	-.0022	-.0006	6.8927
9622	0.00	6.96	.5092	-0.0772	.1031	-.0018	-.0007	6.6002
9623	0.00	9.01	.5802	-0.0981	.0857	-.0023	-.0002	5.9137
9624	0.00	11.15	.6449	-0.1262	.0629	-.0023	-.0003	5.1110
9625	0.00	13.15	.7084	-0.1579	.0419	-.0027	-.0003	4.4875
9626	0.00	15.09	.7726	-0.1944	.0306	-.0023	-.0006	3.9739
9627	0.00	17.01	.8433	-0.2382	.0199	-.0022	-.0007	3.5407
9628	0.00	18.92	.9167	-0.2899	.0098	-.0023	-.0003	3.1619
9629	0.00	20.97	.9787	-0.3473	.0024	-.0018	-.0001	2.8177
9630	0.00	22.87	1.0311	-0.4046	.0214	-.0013	-.0022	2.5484

RUN 595

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CSF	CYM	L/D
101	0.00	-5.17	.0735	-0.0934	.0036	-.0019	-.0009	1.6490	
102	0.00	-3.20	.1462	-0.0399	.0964	-.0046	-.0002	3.6610	
103	0.00	-1.17	.2320	-0.0405	.0999	-.0001	-.0027	5.7296	
104	0.00	.92	.3065	-0.0455	.1033	-.0016	-.0019	6.7328	
105	0.00	3.00	.3793	-0.0528	.1058	-.0002	-.0017	7.1781	
106	0.00	5.00	.4464	-0.0634	.1022	-.0018	-.0023	7.0368	
107	0.00	6.99	.5150	-0.0792	.0924	-.0005	-.0003	6.5059	
108	0.00	9.05	.5850	-0.1020	.0754	-.0034	-.0039	5.7366	
109	0.00	11.14	.6515	-0.1298	.0505	-.0010	-.0023	5.0186	
110	0.00	13.15	.7261	-0.1642	.0305	-.0025	-.0045	4.4220	
111	0.00	15.09	.7843	-0.2000	.0199	-.0024	-.0032	3.9207	
112	0.00	17.02	.8563	-0.2442	.0032	-.0020	-.0032	3.5062	
113	0.00	18.97	.9202	-0.2941	.0163	-.0011	-.0046	3.1285	
114	0.00	20.98	.9873	-0.3533	.0313	-.0011	-.0001	2.7941	
115	0.00	22.81	1.0372	-0.4120	.0558	-.0004	-.0081	2.5175	

## RUN 596

POINT	BETA	CL	CD	CPM	CSF	CRM	CYR	L/D
186	0.00	.0769	.0434	-.0903	.0018	-.0000	1.7719	-
187	0.00	.1479	.0387	-.0882	.0028	-.0020	3.8187	-
188	0.00	.2314	.0397	-.0904	.0012	-.0007	5.8336	-
189	0.00	.91	.2944	.0434	-.0947	.0023	-.0013	6.7804
190	0.00	2.98	.3698	.0520	-.0991	.0027	-.0025	7.1150
191	0.00	4.98	.4324	.0638	-.0932	-.0001	-.0009	6.7820
192	0.00	7.02	.5073	.0809	-.0728	-.0001	-.0017	6.2695
193	0.00	9.05	.5761	.1037	-.0534	-.0004	-.0028	5.5567
194	0.00	11.0	.6617	.1351	-.0234	-.0003	-.0015	4.8978
195	0.00	13.06	.7262	.1689	-.0002	-.0023	-.0036	4.2992
196	0.00	15.07	.7901	.2084	-.0165	-.0011	-.0032	3.7915
197	0.00	17.06	.8660	.2585	-.0421	-.0001	-.0019	3.3496
198	0.00	18.99	.9247	.3094	-.0582	-.0009	-.0017	2.9892
199	0.00	20.94	1.0047	.3742	-.0832	-.0013	-.0020	2.6847
200	0.00	22.81	1.0642	.4377	.1093	-.0024	-.0078	2.4313

## RUN 597

POINT	BETA	CL	CD	CPM	CSF	CRM	CYR	L/D
271	0.00	.0900	.0404	-.0777	.0018	-.0001	2.2305	-
272	0.00	.1645	.0382	-.0836	.0021	-.0017	4.3120	-
273	0.00	.2375	.0398	-.0889	.0022	-.0017	5.9653	-
274	0.00	.96	.3132	.0445	-.0909	-.0014	-.0008	7.0395
275	0.00	2.97	.3786	.0537	-.0941	-.0008	-.0013	7.0465
276	0.00	4.98	.4557	.0682	-.0860	-.0017	-.0006	6.6809
277	0.00	7.00	.5292	.0887	-.0694	-.0008	-.0025	5.9675
278	0.00	9.00	.6043	.1131	-.0423	-.0009	-.0025	5.3442
279	0.00	11.04	.6864	.1460	-.0138	-.0018	-.0015	4.7024
280	0.00	13.08	.7612	.1844	-.0136	-.0031	-.0030	4.1282
281	0.00	15.09	.8322	.2292	-.0387	-.0020	-.0020	3.6302
282	0.00	17.06	.9058	.2830	-.0672	-.0030	-.0052	3.2005
283	0.00	18.95	.9575	.3347	.0870	-.0025	-.0054	2.8605
284	0.00	20.97	1.0480	.4072	.1197	-.0035	-.0041	2.5737
285	0.00	22.76	1.1209	.4786	.1466	-.0017	-.0060	2.3417

RUN 598

POINT	BETA	ALPHA	CD	CPM	CSF	CYM	L/D
386	0.00	-5.18	.0239	.0579	.0043	.0005	.8572
387	0.00	-3.18	.0205	.0610	.0055	.0007	.5475
388	0.00	-1.11	.0185	.0225	.0040	.0024	.0576
389	0.00	.91	.2273	.0277	.0021	.0015	.2100
390	0.00	2.96	.3085	.0368	.0023	.0013	.3821
391	0.00	5.00	.4030	.0533	.0012	.0005	.0000
392	0.00	7.00	.4779	.0742	.0006	.0011	.0007
393	0.00	9.01	.5781	.1050	.0031	.0034	.0009
394	0.00	11.04	.6663	.1420	.0070	.0033	.0001
395	0.00	13.12	.7659	.1994	.0191	.0029	.0005
396	0.00	15.04	.8481	.2390	.0397	.0021	.0007
397	0.00	17.05	.9229	.2946	.0599	.0002	.0001
398	0.00	18.97	.0012	.3571	.0916	.0023	.0013
399	0.00	20.91	.0371	.4109	.1287	.0030	.0008
400	0.00	22.82	.1158	.4866	.1576	.0006	.0061

RUN 614

POINT	BETA	ALPHA	CD	CPM	CSF	CYM	L/D
516	5.00	-5.19	.0229	.0222	.0534	.0050	.0323
517	5.00	-3.13	.0795	.0209	.0605	.0139	.8036
518	5.00	-1.11	.1521	.0222	.0578	.0144	.8472
519	5.00	.91	.2226	.0267	.0566	.0118	.0037
520	5.00	2.98	.2980	.0364	.0585	.0036	.0045
521	5.00	4.98	.3803	.0510	.0568	.0051	.1912
522	5.00	7.00	.4691	.0727	.0416	.0091	.0046
523	5.00	9.05	.5627	.1020	.0220	.0103	.0062
524	5.00	11.08	.6504	.1375	.0022	.0117	.0033
525	5.00	13.10	.7213	.1762	.0247	.0102	.0038
526	5.00	15.07	.8260	.2314	.0440	.0131	.0074
527	5.00	17.08	.8922	.2844	.0757	.0112	.0078
528	5.00	18.98	.9582	.346	.0995	.0126	.0109
529	5.00	20.91	1.0272	.4043	.1249	.0127	.0126
530	5.00	22.82	1.0982	.4767	.1553	.0168	.0237

RUN 615

POINT	BETA	ALPHA	CL	CD	CPW	CRM	CSF	CYM	L/D
603	10.00	-5.12	.0032	.0243	-.0631	.0067	-.0270	-.0109	.1298
604	10.00	-3.22	.0825	.0206	-.0570	.0023	-.0279	-.0093	3.9977
605	10.00	-1.19	.1395	.0213	-.0571	-.001	-.0272	-.0077	6.5498
606	10.00	.88	.2167	.0268	-.0543	-.0048	-.0270	-.0083	6.0871
607	10.00	2.97	.2930	.0362	-.0535	-.0075	-.0243	-.0082	6.0925
608	10.00	5.4	.3838	.0518	-.0482	-.0133	-.0224	-.0101	7.4161
609	10.00	7.02	.4557	.0713	-.0364	-.0179	-.0184	-.0097	6.3898
610	10.00	9.15	.5298	.0974	-.0191	-.0208	-.0171	-.0099	5.4417
611	10.00	11.04	.6084	.1284	-.0068	-.0218	-.0165	-.0110	4.7386
612	10.00	13.13	.6866	.1693	-.0391	-.0220	-.0119	-.0095	4.0552
613	10.00	15.11	.7487	.2109	-.0549	-.0248	-.0068	-.0083	3.5506
614	10.00	16.95	.8194	.2587	-.0786	-.0296	-.0007	-.0063	3.1675
615	10.00	18.97	.8991	.3207	-.1093	-.0302	-.0111	-.0086	2.8033
616	10.00	20.94	.9921	.3912	-.1387	-.0312	-.0246	-.0167	2.5361
617	10.00	22.75	.4559	.1574	-.0331	-.0259	-.0181	-.0117	2.3117

RUN 616

POINT	BETA	ALPHA	CL	CD	CPW	CRM	CSF	CYM	L/D
690	10.00	-5.15	.0615	.0227	-.0897	.0042	-.0270	-.0105	2.7105
691	10.00	-3.16	.1214	.0217	-.0877	-.0010	-.0302	-.0100	5.5943
692	10.00	-1.06	.1862	.0247	-.0858	-.0032	-.0272	-.0077	7.5287
693	10.00	.94	.2643	.0317	-.0850	-.0097	-.0271	-.0085	8.3315
694	10.00	2.95	.3371	.0427	-.0842	-.0135	-.0238	-.0089	7.8952
695	10.00	5.08	.4068	.0585	-.0768	-.0163	-.0225	-.0102	6.9543
696	10.00	7.01	.4850	.0788	-.0593	-.0180	-.0185	-.0098	6.1543
697	10.00	8.96	.5574	.1033	-.0348	-.0214	-.0174	-.0104	5.3950
698	10.00	11.06	.6348	.1377	-.0055	-.0238	-.0144	-.0107	4.6102
699	10.00	13.11	.6944	.1736	-.0231	-.0239	-.0140	-.0104	3.9998
700	10.00	15.02	.7718	.2194	-.0421	-.0278	-.0070	-.0090	3.5175
701	10.00	16.99	.8468	.2715	-.0726	-.0322	-.0001	-.0054	3.1193
702	10.00	18.95	.9292	.3338	-.1023	-.0343	-.0089	-.0068	2.7839
703	10.00	20.89	.9979	.3958	-.1235	-.0370	-.0182	-.0132	2.5214
704	10.00	22.83	.4640	.1508	-.0373	-.0255	-.0195	-.02965	2.2965

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
805	5.00	-5.16	.0528	.0227	-.0835	.0072	-.0052	2.3279
806	5.00	-3.19	.1323	.0215	-.0876	.0026	-.0041	6.1529
807	5.00	-1.17	.2030	.0249	-.0869	-.0003	-.0034	8.1375
808	5.00	.91	.2711	.0314	-.0860	-.0024	-.0036	8.6391
809	5.00	2.95	.3558	.0428	-.0856	-.0053	-.0043	8.3046
810	5.00	5.00	.4347	.0600	-.0782	-.0083	-.0048	7.2474
811	5.00	6.99	.5128	.0828	-.0645	-.0102	-.0083	6.1962
812	5.00	9.05	.5956	.1127	-.0439	-.0128	-.0073	5.2872
813	5.00	11.11	.6760	.1480	-.0200	-.0117	-.0035	4.5678
814	5.00	13.12	.7543	.1897	-.0046	-.0129	-.0036	3.9759
815	5.00	15.08	.8470	.2428	-.0320	-.0146	-.0063	3.4886
816	5.00	17.02	.9120	.2954	-.0579	-.0137	-.0089	3.0872
817	5.00	18.96	.9751	.3520	-.0825	-.0124	-.0127	2.7703
818	5.00	20.92	.1.0503	.4197	-.1.062	-.0135	-.0105	2.5028
819	5.00	22.79	.1.1210	.4918	-.1.393	-.0177	-.0232	2.2792

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
920	0.00	-5.17	.0611	.0242	-.0887	.0043	-.0023	2.5317
921	0.00	-3.16	.1415	.0227	-.0887	.0010	-.0006	6.2260
922	0.00	-1.11	.2048	.0260	-.0907	-.0002	-.0005	7.8815
923	0.00	.91	.2862	.0320	-.0871	-.0019	-.0032	8.9391
924	0.00	2.98	.3558	.0437	-.0926	-.0005	-.0021	8.1402
925	0.00	5.00	.4314	.0597	-.0838	-.0008	-.0011	7.2256
926	0.00	6.99	.5207	.0837	-.0697	-.0009	-.0010	6.2239
927	0.00	8.96	.6043	.1131	-.0479	-.0017	-.0038	5.3423
928	0.00	11.08	.6935	.1526	-.0270	-.0027	-.0029	4.5450
929	0.00	13.09	.7854	.1990	-.0030	-.0041	-.0023	3.9468
930	0.00	15.04	.8674	.2499	-.0162	-.0018	-.0033	3.4708
931	0.00	17.01	.9539	.3091	-.0441	-.0033	-.0052	3.0866
932	0.00	18.96	1.0298	.3721	-.0716	-.0040	-.0063	2.7673
933	0.00	20.88	1.0603	.4245	-.1.155	-.0016	-.0020	2.4978
934	0.00	22.79	1.1244	.4959	-.1.434	-.0001	-.0045	2.2676

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYW	L/D
1050	0.00	-5.22	.0399	.0214	-.0709	.0061	-.0019	1.8682	-.0016
1051	0.00	-3.22	.0126	.0199	-.0754	.0057	-.0009	5.6605	-.0009
1052	0.00	-1.16	.01746	.0222	-.0751	.0060	-.0037	7.8614	-.0010
1053	0.00	1.02	.02550	.0283	-.0743	.0042	-.0031	9.0063	-.0009
1054	0.00	2.91	.03230	.0378	-.0748	.0053	-.0022	8.5444	-.0003
1055	0.00	4.98	.04063	.0545	-.0708	.0014	-.0015	7.4615	-.0007
1056	0.00	6.96	.04918	.0774	-.0606	.0022	-.0017	6.3503	-.0007
1057	0.00	8.95	.05912	.1081	-.0381	.0005	-.0024	5.4687	-.0002
1058	0.00	11.02	.06790	.1467	-.0181	.0006	-.0007	4.6276	-.0005
1059	0.00	13.11	.07649	.1923	-.0098	.0003	-.0010	3.9769	-.0003
1060	0.00	15.02	.08524	.2431	-.0279	.0015	-.0023	3.5067	-.0003
1061	0.00	16.99	.09290	.2998	-.0502	.0011	-.0008	3.0992	-.0001
1062	0.00	18.90	.01118	.3630	-.0866	-.0001	-.0029	2.7875	-.0005
1063	0.00	20.89	.04115	.4165	-.1257	.0015	-.0002	2.5006	-.0008
1064	0.00	22.74	.1209	.4914	.1515	.0005	-.0022	2.2812	-.0042

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYW	L/D
1280	0.00	-5.17	-.0655	.0203	-.0303	.0055	-.0023	3.2205	-.0012
1281	0.00	-3.17	.0203	.0146	-.0286	.0061	-.0007	1.3884	-.0007
1282	0.00	-1.16	.0922	.0137	-.0333	.0061	-.0041	6.7341	-.0006
1283	0.00	.92	.1573	.0172	-.0317	.0030	-.0017	9.1630	-.0005
1284	0.00	2.91	.2281	.0247	-.0346	.0026	-.0020	9.2211	-.0004
1285	0.00	4.98	.3131	.0376	-.0281	.0009	-.0004	9.3331	-.0001
1286	0.00	6.95	.4022	.0577	-.0163	.0010	-.0004	6.9676	-.0003
1287	0.00	8.96	.4925	.0841	-.0064	-.0013	-.0020	5.8570	-.0003
1288	0.00	10.98	.5863	.1190	-.0309	-.0021	-.0018	4.9276	-.0002
1289	0.00	13.05	.6745	.1606	-.0532	-.0004	-.0008	4.1985	-.0001
1290	0.00	15.05	.7645	.2098	-.0703	-.0030	-.0019	3.6438	-.0009
1291	0.00	16.98	.8481	.2640	-.0941	-.0021	-.0015	3.2126	-.0003
1292	0.00	18.87	.9057	.3157	-.1246	-.0048	-.0049	2.8693	-.0005
1293	0.00	20.90	.9666	.3774	.1583	.0001	-.0011	2.5612	-.0022
1294	0.00	22.68	.10285	.4401	.1807	.0005	-.0026	2.3336	-.0036

## RUN 666

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
1408	5.00	-3.22	.0135	.0148	-.0352	.0051	-.0123	-.0042	* 9139
1409	5.00	.85	.1535	.0168	-.0301	.0011	-.0136	-.0038	* 1354
1410	5.00	4.92	.3036	.0376	-.0255	-.0019	-.0117	-.0048	* 0798
1411	5.00	8.93	.4760	.0819	-.0068	-.0077	-.0081	-.0053	* 8138
1412	5.00	13.03	.6546	.1552	-.0546	-.0127	-.0038	-.0061	* 2185
1413	5.00	16.98	.8222	.2556	-.1040	-.0112	-.0099	-.0072	* 2161
1414	5.00	20.82	.9658	.3745	-.1471	-.0104	-.0190	-.0132	* 5186

## RUN 667

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
1485	10.00	-3.22	.0074	.0151	-.0351	* 0055	-.0286	-.0107	* 4894
1486	10.00	.90	.1435	.0174	-.0298	* 0026	-.0252	-.0082	* 2377
1487	10.00	4.95	.2919	.0369	-.0255	* 0121	-.0221	-.0099	* 8997
1488	10.00	8.98	.4552	.0784	-.0129	-.0178	-.0177	-.0101	* 8053
1489	10.00	13.03	.6081	.1437	-.0623	-.0221	-.0145	-.0116	* 2311
1490	10.00	16.90	.7671	.2361	-.1027	-.0305	-.0012	-.0065	* 2490
1491	10.00	20.85	.9305	.3602	-.1573	-.0312	-.0237	-.0149	* 5836

## RUN 668

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
1592	0.00	-5.17	.0815	.0217	.0049	.0023	-.0013	-3.7561
1593	0.00	-3.23	.0096	.0153	.0053	-.0010	-.0004	-.6256
1594	0.00	-1.14	.0699	.0130	.0075	-.0032	-.0001	5.3644
1595	0.00	.89	.1369	.0159	.0154	.0051	-.0028	8.6161
1596	0.00	2.90	.1956	.0218	.0198	.0042	-.0030	8.9696
1597	0.00	5.06	.2979	.0357	.0174	.0022	-.0027	8.3351
1598	0.00	6.92	.3770	.0539	.0089	.0020	-.0018	6.9899
1599	0.00	9.03	.4771	.0815	.0164	.0008	-.0022	5.8572
1600	0.00	11.09	.5742	.1164	.0371	-.0016	-.0006	4.9319
1601	0.00	13.06	.6597	.1554	.0601	-.0016	-.0004	4.2466
1602	0.00	15.01	.7529	.2037	.0815	-.0022	-.0000	3.6952
1603	0.00	16.94	.8365	.2573	.1050	-.0015	-.0030	3.2511
1604	0.00	18.96	.9019	.3141	.1381	-.0044	-.0058	2.8713
1605	0.00	20.87	.9468	.3668	.1133	-.0010	-.0002	2.5811
1606	0.00	22.71	1.0239	.4363	.1904	-.0020	-.0047	2.3470

## RUN 684

PCINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
1722	2.00	-3.21	-.0109	.0153	.0059	-.0065	-.0022	7.147
1723	2.00	.89	.1260	.0158	.0028	-.0062	-.0014	7.9614
1724	2.00	4.96	.2836	.0342	-.0172	-.0007	-.0060	8.2828
1725	2.00	8.97	.4597	.0780	-.0113	-.0030	-.0027	5.8908
1726	2.00	13.06	.6573	.1552	.0628	-.0062	-.0008	4.2351
1727	2.00	16.96	.8213	.2536	.1044	-.0046	-.0034	3.2379
1728	2.00	20.85	.9576	.3701	.1656	-.0037	-.0162	2.5878

## RUN 685

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
1799	5.00	-3.19	-0.065	0.047	-0.0196	0.0037	-0.0118	-0.0047	-0.4436
1800	5.00	•90	•1324	•0155	•0012	•0012	•0151	•0042	0.5543
1801	5.00	4.98	•2827	•0349	•0131	•0035	•0109	•0051	0.1037
1802	5.00	8.96	•4608	•0787	•0161	•0072	•0073	•0053	5.8552
1803	5.00	13.03	•6311	•1486	•0597	•0085	•0056	•0052	4.2465
1804	5.00	17.01	•7846	•2439	•1038	•0088	•0095	•0154	3.2170
1805	5.00	20.86	•9569	•3697	•1584	•0077	•0241	•0153	2.5885

## RUN 686

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
1876	10.00	-3.18	-0.0112	0.0159	-0.0225	0.0052	-0.0261	-0.0097	-0.7027
1877	10.00	•87	•1147	•0164	•0195	-0.0008	-0.0266	-0.0083	7.0130
1878	10.00	4.97	•2706	•0341	•0119	-0.0087	-0.0236	-0.0105	7.9377
1879	10.00	8.94	•4305	•0732	•0175	-0.0154	-0.0197	-0.0110	5.8791
1880	10.00	13.05	•5969	•1398	•0655	-0.0228	-0.0136	-0.0113	4.2707
1881	10.00	16.97	•7480	•2289	•1083	-0.0297	-0.0016	-0.0068	3.2684
1882	10.00	20.91	•9156	•3536	•1663	-0.0297	-0.0272	-0.0168	2.5896

## RUN 687

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
1954	15.00	-3.17	-0.0180	•0136	-0.0239	•0089	-0.0471	-0.0172	-1.3219
1955	15.00	•84	•1044	•0140	•0169	-0.0001	-0.0511	-0.0174	7.4779
1956	15.00	4.99	•2535	•0318	-0.0102	-0.0105	-0.0469	-0.0190	7.9608
1957	15.00	8.95	•4116	•0700	•0218	-0.0213	-0.0398	-0.0204	5.8796
1958	15.00	13.07	•5624	•1314	•0675	-0.0298	-0.0321	-0.0210	4.2808
1959	15.00	16.94	•7034	•2157	•1150	-0.0355	-0.0208	-0.0160	3.2612
1960	15.00	20.85	•8621	•3282	•1623	-0.0390	-0.0421	-0.0291	2.6270

## RUN 688

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2031	20.00	-3.20	-0.0431	0.0141	-0.0541	0.0135	0.0723	-0.0291	-3.0479
2032	20.00	.89	.0899	0.0137	-0.0395	0.0003	-0.0736	-0.0274	6.5563
2033	20.00	4.95	.2321	0.0306	-0.0270	-0.0130	-0.0738	-0.0311	7.5894
2034	20.00	8.96	.3961	0.0674	.0151	-0.0263	-0.0699	-0.0333	5.8792
2035	20.00	13.03	.5289	0.1232	.0569	-0.0334	-0.0643	-0.0376	4.2921
2036	20.00	16.94	.6593	0.2014	.1059	-0.0442	-0.0517	-0.0352	3.2739
2037	20.00	20.85	.7895	0.3010	.1546	-0.0445	-0.0595	-0.0405	2.6224

## RUN 689

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2108	20.00	-3.25	-0.0465	0.0136	-0.0453	0.0065	-0.1469	-0.0190	-3.4161
2109	20.00	.88	.0855	0.0129	-0.0301	-0.0062	-0.1516	-0.0214	6.6363
2110	20.00	4.95	.2329	0.0303	-0.0280	-0.0211	-0.1589	-0.0182	7.6802
2111	20.00	8.98	.3844	0.0664	.0021	-0.0377	-0.1546	-0.0207	5.7871
2112	20.00	13.05	.5280	0.1232	.0495	-0.0436	-0.1492	-0.0137	4.2864
2113	20.00	16.97	.6705	0.2046	.0922	-0.0498	-0.1198	-0.0124	3.2780
2114	20.00	20.92	.8271	.3168	.1080	-0.0494	-0.0963	-0.0148	2.6110

## RUN 690

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2185	15.00	-3.25	-0.0350	0.0144	-0.0135	0.0044	-0.1131	-0.0193	-2.4213
2186	15.00	.87	.0953	0.0141	-0.0143	-0.0067	-0.1117	-0.0203	6.7613
2187	15.00	4.96	.2461	0.0317	-0.0129	-0.0176	-0.1074	-0.0212	7.7675
2188	15.00	8.97	.4092	0.0693	.0190	-0.0285	-0.1057	-0.0202	5.9092
2189	15.00	13.02	.5646	0.1314	.0636	-0.0337	-0.0974	-0.0196	4.2971
2190	15.00	16.98	.7147	0.2188	.1080	-0.0376	-0.0803	-0.0189	3.2669
2191	15.00	20.85	.8838	.3373	.1330	-0.0395	-0.0893	-0.0118	2.6202

RUN 691

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2292	0.00	-5.18	-0.0831	.0217	.0079	.0039	-0.0003	-0.0016	-3.8234
2293	0.00	-3.20	-0.0039	.0150	.0060	.0041	-0.0017	-0.0005	-2.609
2294	0.00	-1.19	.0557	.0140	-0.0013	.0030	.0003	-0.0010	3.9693
2295	0.00	.88	.1253	.0156	-0.0023	.0012	-0.0009	-0.0001	0.0488
2296	0.00	2.94	.2051	.0226	-0.0039	.0015	-0.0019	.0002	9.0617
2297	0.00	4.96	.2751	.0340	-0.0049	.0007	-0.0019	.0007	8.1031
2298	0.00	6.94	.3702	.0529	-0.0054	-0.0021	-0.0006	.0006	6.9985
2299	0.00	8.98	.4616	.0792	-0.0231	-0.0044	.0038	.0005	5.8307
2300	0.00	11.07	.5639	.1156	-0.0459	-0.0039	.0039	.0002	4.8787
2301	0.00	13.09	.6573	.1573	-0.0667	-0.0005	.0066	.0002	4.1773
2302	0.00	15.07	.7452	.2042	-0.0869	-0.0038	.0045	-0.0002	3.6490
2303	0.00	17.02	.8157	.2538	-0.1148	-0.0040	.0060	-0.0003	3.2141
2304	0.00	18.91	.8961	.3129	-0.1396	-0.0061	.0072	-0.0011	2.8644
2305	0.00	20.88	.9592	.3727	-0.1671	-0.0003	.0041	-0.0032	2.5740
2306	0.00	22.74	1.0392	.4444	-0.1955	-0.0003	-0.0038	-0.0062	2.3387

RUN 692

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2377	2.00	-3.24	-0.0093	.0145	.0055	.0024	-0.0112	.0012	-5.7112
2378	2.00	.91	.1269	.0150	-0.0012	.0024	-0.0135	.0024	8.4722
2379	2.00	4.96	.2770	.0342	-0.0095	-0.0009	-0.0145	.0029	8.1097
2380	2.00	8.99	.4581	.0778	-0.0233	-0.0056	-0.0068	.0020	5.8875
2381	2.00	13.13	.6517	.1545	-0.0611	-0.0059	-0.0070	.0018	4.2180
2382	2.00	17.02	.8287	.2566	-0.1071	-0.0061	-0.0073	-0.0002	3.2294
2383	2.00	20.90	.9595	.3713	-0.1681	-0.0049	-0.0177	-0.0089	2.5841

## RUN 693

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2454	5.00	-3.20	-0.0151	0.0155	.0002	.0039	-.0302	.0065	-.9788
2455	5.00	.90	.1286	.0156	-.0038	-.0014	-.0337	.0085	8.2660
2456	5.00	4.96	.2862	.0347	-.0091	-.0055	-.0317	.0082	8.2431
2457	5.00	8.97	.4614	.0779	.0219	-.0128	-.0228	.0062	5.9244
2458	5.00	13.12	.6281	.1479	.0597	-.0128	-.0216	.0066	4.2477
2459	5.00	17.01	.7959	.2455	.1017	-.0166	-.0195	.0046	3.2417
2460	5.00	20.93	.9756	.3758	.1505	-.0146	-.0296	-.0085	2.5962

## RUN 694

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2531	10.00	-3.22	-.0225	0.0156	-.0060	.0017	-.0639	.0140	-1.4481
2532	10.00	.91	.1106	.0156	-.0127	-.0052	-.0709	.0170	7.1006
2533	10.00	4.92	.2667	.0330	-.0182	-.0120	-.0659	.0174	8.0891
2534	10.00	8.97	.4324	.0731	.0121	-.0206	-.0639	.0170	5.9183
2535	10.00	13.04	.5920	.1380	.0581	-.0246	-.0554	.0161	4.2885
2536	10.00	17.04	.7586	.2332	.0974	-.0334	-.0425	.0220	3.2525
2537	10.00	20.91	.9365	.3598	.1349	-.0322	-.0535	.0031	2.6025

RUN 695

JOINT	BETA	ALPHA	CL	CD	CRM	CYF	L/D
2608	0.00	-5.19	0.0281	0.2221	0.0061	0.0056	-3.9A99
2609	0.00	-3.21	0.0143	0.162	-0.003	0.0029	-0.0011
2610	0.00	-1.16	0.0477	0.146	-0.034	0.0024	-0.0044
2611	0.00	2.96	0.90	0.165	-0.062	0.0020	-0.0055
2612	0.00	0.00	2.96	0.231	-0.0123	0.0012	-0.0034
2613	0.00	4.96	0.948	0.347	-0.0100	0.000	-0.0043
2614	0.00	6.99	0.681	0.538	-0.0051	0.0004	-0.0038
2615	0.00	8.97	0.647	0.794	-0.0196	0.0025	-0.0114
2616	0.00	11.10	0.5670	0.153	-0.0439	0.0028	-0.0032
2617	0.00	13.07	0.6541	1.651	-0.0631	0.0020	-0.0001
2618	0.00	15.03	0.7472	0.2033	-0.0443	0.0025	-0.0046
2619	0.00	17.04	0.8318	0.2586	-0.1072	0.0026	-0.0026
2620	0.00	18.93	0.9250	0.3215	-0.1323	0.0035	-0.0045
2621	0.00	20.91	0.9531	0.3703	-0.1677	0.0008	-0.0003
2622	0.00	22.76	1.0305	0.4408	-0.1889	0.0017	-0.0078

2608  
2609  
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2622

C <sub>PM</sub>	C <sub>RF</sub>	C <sub>SF</sub>	C <sub>YM</sub>	L/D
• 0.001	• 0.056	• 0.000	- • 0.017	- 3.9A99
• 0.003	• 0.029	- • 0.044	• 0.002	- • 8011
• 0.034	• 0.024	• 0.003	- • 0.011	3 • 2621
• 0.062	• 0.020	- • 0.055	• 0.005	7 • 7578
• 0.123	• 0.012	- • 0.034	- • 0.004	8.9549
• 0.160	• 0.000	- • 0.043	• 0.007	8.2104
• 0.051	• 0.004	- • 0.038	• 0.004	6.8455
• 0.196	• 0.025	• 0.014	- • 0.003	5.8503
• 0.439	- • 0.028	• 0.032	- • 0.008	4.9175
• 0.631	- • 0.020	• 0.001	• 0.004	4.2180
• 0.943	- • 0.025	• 0.046	- • 0.012	3.6747
• 1.072	- • 0.026	• 0.026	- • 0.038	3.2170
• 1.323	- • 0.035	• 0.045	• 0.008	2.8775
• 1.677	- • 0.008	- • 0.003	- • 0.017	2.5739
• 1.889	- • 0.017	- • 0.078	- • 0.0075	2.3379

C <sub>PM</sub>	C <sub>RF</sub>	C <sub>SF</sub>	C <sub>YM</sub>	L/D
• 0.001	• 0.056	• 0.000	- • 0.017	- 3.9A99
• 0.003	• 0.029	- • 0.044	• 0.002	- • 8011
• 0.034	• 0.024	• 0.003	- • 0.011	3 • 2621
• 0.062	• 0.020	- • 0.055	• 0.005	7 • 7578
• 0.123	• 0.012	- • 0.034	- • 0.004	8.9549
• 0.160	• 0.000	- • 0.043	• 0.007	8.2104
• 0.051	• 0.004	- • 0.038	• 0.004	6.8455
• 0.196	• 0.025	• 0.014	- • 0.003	5.8503
• 0.439	- • 0.028	• 0.032	- • 0.008	4.9175
• 0.631	- • 0.020	• 0.001	• 0.004	4.2180
• 0.943	- • 0.025	• 0.046	- • 0.012	3.6747
• 1.072	- • 0.026	• 0.026	- • 0.038	3.2170
• 1.323	- • 0.035	• 0.045	• 0.008	2.8775
• 1.677	- • 0.008	- • 0.003	- • 0.017	2.5739
• 1.889	- • 0.017	- • 0.078	- • 0.0075	2.3379

NUM 696

	POINT	CL	CD	CPM	CRM	CYH	CYF	L/D
BETA	ALPHA							
0.00	-5.16	-1.198	0.326	0.645	0.037	-0.017	-3.6784	-3.6784
0.00	-3.14	-0.558	0.250	0.580	0.030	-0.003	-2.2292	-2.2292
0.00	-1.18	-0.089	0.213	0.517	0.045	-0.029	-0.001	-0.001
2695	0.00	0.90	0.795	0.217	0.046	-0.025	-0.006	-0.006
2696	0.00	2.95	1.598	0.265	0.045	-0.079	-0.001	-0.001
2697	0.00	5.05	2.541	0.379	0.0426	-0.002	-0.002	-0.002
2698	0.00	7.01	3.326	0.550	0.0490	-0.039	-0.001	-0.001
2699	0.00	9.01	4.228	0.786	0.0674	-0.010	-0.009	-0.009
2700	0.00	11.03	5.284	1.135	0.0932	-0.011	-0.002	-0.001
2701	0.00	13.11	6.215	1.538	0.1146	-0.011	-0.017	-0.005
2702	0.60	15.05	7.074	1.995	0.1345	-0.002	-0.013	-0.000
2703	0.00	17.01	7.898	2.512	0.1602	-0.014	-0.020	-0.002
2704	0.00	18.92	8.727	3.093	0.1861	-0.008	-0.030	-0.008
2705	0.00	20.88	9.054	3.574	0.2194	-0.023	-0.025	-0.016
2706	0.00	22.78	9.9853	4.2777	0.2445	-0.025	-0.096	-0.0083
2707	0.00	24.76	10.916	5.2200	0.2777	-0.025	-0.025	-0.0083

POINT  
2693  
2694  
2695  
2696  
2697  
2698  
2699  
2700  
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2705  
2706  
2707

RUN 697

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2778	0.00	-5.17	-0.1052	0.0322	0.0468	0.0053	0.0008	-0.0020	-3.2680
2779	0.00	-3.22	-0.0330	0.0247	0.0386	0.018	0.010	-0.0010	-1.3380
2780	0.00	-1.13	0.0418	0.0216	0.0346	0.0051	0.0075	0.0007	1.9384
2781	0.00	.87	0.1076	0.0223	0.0322	0.0038	0.0018	-0.006	4.8167
2782	0.00	3.00	0.1883	0.0284	0.0283	0.0039	-0.0062	0.0005	6.6208
2783	0.00	4.99	0.2637	0.0398	0.0294	0.022	-0.0047	0.0003	6.6210
2784	0.00	6.99	0.3549	0.0586	0.0377	0.004	-0.0025	0.0001	6.0568
2785	0.00	9.00	0.4426	0.0826	0.0556	0.017	-0.0045	0.0009	5.3592
2786	0.00	11.05	0.5420	0.1172	0.0833	-0.004	-0.0004	0.0008	4.6248
2787	0.00	13.05	0.6373	0.1581	0.1067	-0.0006	-0.0017	0.0007	4.0304
2788	0.00	15.07	0.7225	0.2042	0.1270	-0.0027	0.0004	-0.0004	3.5372
2789	0.00	17.00	0.8098	0.2584	0.1495	0.0005	0.0020	-0.0000	3.1344
2790	0.00	18.95	0.8885	0.3166	0.1759	-0.0030	0.0028	0.0011	2.8065
2791	0.00	20.95	0.9285	0.3681	0.2139	-0.0004	0.0017	-0.0019	2.5225
2792	0.00	22.75	0.9992	0.4340	0.2328	0.0029	-0.0100	-0.0099	2.3024

RUN 698

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
2793	0.00	-5.19	-0.0626	0.0211	-0.0125	0.0052	-0.0058	-0.0000	-2.9626
2794	0.00	-3.22	0.0099	0.0158	-0.0163	0.0042	-0.0055	0.0001	.6285
2795	0.00	-1.16	0.0735	0.0149	-0.0207	0.0034	-0.0041	-0.0002	4.9193
2796	0.00	.90	0.1528	0.0173	-0.0221	0.0040	-0.0043	-0.0004	8.8555
2797	0.00	2.95	0.2239	0.0244	-0.0245	0.0025	-0.0025	-0.0003	9.1673
2798	0.00	4.95	0.3100	0.0378	-0.0234	0.0001	-0.0047	0.0003	8.1950
2799	0.00	6.97	0.3876	0.0568	-0.0135	0.0010	-0.0033	0.0003	6.8254
2800	0.00	8.99	0.4826	0.0837	-0.0059	0.0003	-0.0031	0.0007	5.7658
2801	0.00	11.11	0.5784	0.1190	-0.0299	0.0006	0.0016	-0.0004	4.8614
2802	0.00	13.01	0.6658	0.1587	-0.0530	0.0025	0.0019	-0.0006	4.1952
2803	0.00	15.07	0.7632	0.2101	-0.0765	0.0006	0.0014	-0.0001	3.6322
2804	0.00	16.98	0.8416	0.2620	-0.1006	0.0038	0.0023	0.0011	3.2119
2805	0.00	18.91	0.9110	0.3178	-0.1258	-0.0053	0.0057	-0.0006	2.8662
2806	0.00	20.87	0.9644	0.3756	-0.1558	0.0027	-0.0002	-0.0021	2.5679
2807	0.00	22.74	1.0302	0.4418	0.1738	0.0022	-0.0077	-0.0049	2.3317

## RUN 699

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
2878	5.00	-3.21	-0.012	.0155	-.0180	.0022	-.0336	-.0796
2879	5.00	.90	.1401	.0171	-.0212	.0008	-.0445	.0081
2880	5.00	5.02	.2983	.0375	-.0246	-.0056	-.0300	.0081
2881	5.00	8.97	.4687	.0813	-.0036	-.0101	-.0299	.0076
2882	5.00	13.04	.6386	.1510	-.0519	-.0123	-.0220	.0070
2883	5.00	17.05	.8096	.2520	-.0944	-.0140	-.0270	.0041
2884	5.00	20.85	.9793	.3773	-.1423	-.0111	-.0385	-.0102

## RUN 700

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
2955	10.00	-3.27	-.0125	.0162	-.0242	-.0026	-.0697	.0142
2956	10.00	.92	.1383	.0168	-.0291	-.0064	-.0686	.0172
2957	10.00	4.94	.2845	.0364	-.0311	-.0135	-.0667	.0167
2958	10.00	8.99	.4582	.0785	-.0025	-.0239	-.0592	.0164
2959	10.00	13.05	.6106	.1440	-.0506	-.0252	-.0561	.0165
2960	10.00	17.07	.7742	.2398	-.0918	-.0338	-.0439	.0214
2961	10.00	20.98	.9423	.3659	-.1307	-.0326	-.0562	.0053

## RUN 701

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
3032	0.00	-5.19	.0424	.0253	-.0583	.0032	-.0008	1.6725	1.1144
3033	0.00	-3.23	.1173	.0229	-.0644	.0028	-.0003	5.0003	5.1144
3034	0.00	-1.19	.1812	.0259	-.0685	.0021	-.0005	6.9987	6.9987
3035	0.00	.90	.2729	.0315	-.0710	.0006	-.0003	6.6719	6.6719
3036	0.00	2.94	.3415	.0427	-.0766	.0007	-.0006	7.9992	7.9992
3037	0.00	4.97	.4207	.0586	-.0721	.0009	-.0005	7.1771	7.1771
3038	0.00	6.97	.5093	.0830	-.0596	.0015	-.0004	6.1372	6.1372
3039	0.00	8.98	.5957	.1127	-.0383	.0026	-.0012	5.2861	5.2861
3040	0.00	11.05	.6840	.1511	-.0141	.0025	-.0029	4.5268	4.5268
3041	0.00	13.09	.7839	.2001	.0120	-.0019	.0034	3.9175	3.9175
3042	0.00	15.02	.8512	.2460	.0241	-.0026	.0021	3.4596	3.4596
3043	0.00	17.00	.9478	.3079	.0562	-.0024	.0043	3.0783	3.0783
3044	0.00	18.96	.1.0284	.3715	.0841	-.0036	.0035	2.7681	2.7681
3045	0.00	20.90	.1.0475	.4212	.1203	-.0009	-.0023	2.4868	2.4868
3046	0.00	22.74	.1.1252	.4952	.1421	-.0016	-.0081	2.2722	2.2722

## RUN 702

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
3117	5.00	-3.22	.1091	.0233	-.0677	.0010	-.0302	4.6814	4.6814
3118	5.00	.94	.2542	.0320	-.0758	-.0059	-.0317	7.9542	7.9542
3119	5.00	5.00	.4114	.0588	-.0750	-.0109	-.0326	6.9971	6.9971
3120	5.00	8.98	.5787	.1093	-.0420	-.0155	-.0263	5.2965	5.2965
3121	5.00	13.07	.7411	.1865	-.065	-.0159	-.0223	3.9738	3.9738
3122	5.00	17.05	.8967	.2911	-.0593	-.0176	-.0267	3.0807	3.0807
3123	5.00	20.93	.1.0673	.4263	.1074	-.0146	-.0398	2.5035	2.5035

## RUN 703

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
3194	10.00	-3.18	0.992	.0725	-.0679	-.0006	-.0154	4.4147
3195	10.00	.90	2.495	.0305	-.0773	-.0114	-.0165	6.1789
3196	10.00	4.97	3.983	.0567	-.0744	-.0181	-.0168	7.0295
3197	10.00	2.99	4.510	.1031	-.0411	-.0236	-.0177	5.3437
3198	10.00	13.15	6.995	.1769	-.0144	-.0262	-.0169	3.9539
3199	10.00	16.95	8.401	.2696	-.0626	-.0339	-.0234	3.1156
3200	10.00	20.89	1.0190	.4054	.1021	-.0346	-.0069	2.5139

## RUN 704

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
3271	0.00	-5.18	-.0004	.0366	-.0010	.0014	-.0043	-.0116
3272	0.00	-3.16	.0882	.0318	-.0068	.0014	-.0013	2.7775
3273	0.00	-1.17	.1519	.0332	-.0135	.0016	-.0035	4.5717
3274	0.00	.89	.2096	.0373	-.0192	.0026	-.0027	-.0003
3275	0.00	2.31	.2954	.0467	-.0219	-.0011	-.0026	5.6215
3276	0.00	4.92	.3901	.0620	-.0185	-.0005	-.0020	6.3300
3277	0.00	5.95	.4651	.0833	-.0067	-.0000	-.0002	6.2880
3278	0.00	8.97	.5603	.1130	-.0170	-.0017	-.0014	5.5840
3279	0.00	11.12	.6457	.1505	-.0345	-.0019	-.0015	4.9565
3280	0.00	13.06	.7410	.1952	-.0614	-.0036	-.0005	4.2911
3281	0.00	15.04	.9205	.2440	-.0789	-.0049	-.0017	3.7961
3282	0.00	17.07	.9007	.3010	-.1050	-.0059	-.0007	3.3635
3283	0.00	19.98	.9743	.3606	-.1293	-.0035	-.0023	2.9922
3284	0.00	20.91	1.0042	.4097	.1783	-.0002	-.0012	2.7015
3285	0.00	22.74	1.00875	.4855	.2066	.0015	-.0069	2.4510

## RUN 705

POINT	BETA	ALPHA	CD	CRM	CSF	CYM	L/D
3286	0.00	-5.21	-0.388	0.0351	0.0284	0.0079	-0.0017
3287	0.00	-3.22	0.266	0.0308	0.0222	0.0055	-0.0022
3288	0.00	-1.24	0.0964	0.0302	0.0154	0.0051	-0.0031
3289	0.00	0.89	0.1698	0.0329	0.0116	0.0057	-0.0039
3290	0.00	2.93	0.2500	0.0402	0.0043	0.0073	-0.0018
3291	0.00	4.95	0.3350	0.0538	0.0034	0.0029	-0.0056
3292	0.00	6.95	0.4253	0.0747	0.0130	0.0010	-0.0020
3293	0.00	9.01	0.5188	0.1027	0.0349	0.0005	-0.0005
3294	0.00	11.06	0.6142	0.1394	0.0545	0.0009	-0.0014
3295	0.00	13.07	0.7111	0.1840	0.0777	-0.0033	-0.0004
3296	0.00	15.01	0.7906	0.2297	0.0962	0.0000	-0.0016
3297	0.00	16.98	0.8750	0.2861	0.1254	-0.0019	0.0031
3298	0.00	18.94	0.9554	0.3469	0.1461	-0.0037	0.0026
3299	0.00	20.89	0.9910	0.4007	0.1957	0.0008	0.0017

## RUN 706

POINT	BETA	ALPHA	CD	CRM	CSF	CYM	L/D
3400	0.00	-5.15	-0.0152	0.0252	0.0298	0.0056	-0.0004
3401	0.00	-3.18	0.0688	0.0214	0.0361	0.0051	-0.0019
3402	0.00	-1.13	0.1490	0.0225	0.0409	0.0031	-0.0018
3403	0.00	0.90	0.2221	0.0272	0.0449	0.0011	-0.0006
3404	0.00	2.99	0.3006	0.0365	0.0505	0.0017	-0.0021
3405	0.00	5.01	0.3817	0.0519	0.0496	-0.0005	-0.0044
3406	0.00	7.01	0.4659	0.0729	0.0407	-0.0028	-0.0003
3407	0.00	8.99	0.5632	0.1023	0.0205	-0.0028	-0.0003
3408	0.00	11.07	0.6614	0.1413	0.0010	-0.0030	-0.0002
3409	0.00	13.12	0.7507	0.1865	0.0259	-0.0053	-0.0056
3410	0.00	17.06	0.9217	0.2950	0.0706	-0.0037	-0.0027
3411	0.00	18.96	0.9944	0.3548	0.1015	-0.0025	-0.0041
3412	0.00	20.94	1.0480	0.4161	0.1370	-0.0029	-0.0035
3413	0.00	22.81	1.1194	0.4880	0.1647	-0.0006	-0.006f

## RUN 707

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
3484	5.00	-3.19	.0747	.0208	-.0347	-.0004	.0078	3.5916
3485	5.00	.89	.2160	.0261	-.0447	-.0032	-.0084	8.2813
3486	5.00	4.98	.3742	.0506	-.0487	-.0057	-.0032	7.3922
3487	5.00	9.02	.5537	.1012	-.0223	-.0100	-.0300	.0086
3488	5.00	13.09	.7210	.1777	.0266	-.0131	-.0225	5.4692
3489	5.00	17.04	.8764	.2809	.0698	-.0134	-.0300	4.0570
3490	5.00	20.92	1.0382	.4105	.1201	-.0109	-.0378	3.1198

## RUN 708

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
3561	10.00	-3.18	.0603	.0216	-.0394	-.0001	-.0695	.0159	2.7901
3562	10.00	.91	.2024	.0264	-.0468	-.0069	-.0698	.0171	7.6751
3563	10.00	5.00	.3663	.0502	-.0526	-.0165	-.0654	.0173	7.2988
3564	10.00	9.04	.5360	.0974	-.0234	-.0237	-.0605	.0169	5.4999
3565	10.00	13.16	.6731	.1661	-.0297	-.0239	-.0592	.0171	4.0531
3566	10.00	17.04	.8259	.2619	-.0762	-.0325	-.0442	.0224	3.1538
3567	10.00	20.98	1.0075	.3977	.1103	-.0318	-.0573	.0036	2.5331

## RUN 709

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
3639	0.00	-5.13	-0.1763	0.0257	0.0379	0.0050	-0.0028	-0.0006	-6.8682
3640	0.00	-3.17	-0.0973	0.0163	0.0376	0.0039	-0.0018	-0.0004	-5.9704
3641	0.00	-1.12	-0.0214	0.0120	0.0279	0.0056	-0.0076	-0.0009	-1.7840
3642	0.00	*.92	*.0408	*.0120	*.0287	*.0019	-0.0049	-0.0004	*.3940
3643	0.00	2.95	*.1127	*.0153	*.0238	*.0026	-0.0017	-0.0007	7.3435
3644	0.00	4.98	*.1963	*.0252	*.0254	*.0016	-0.0072	-0.0009	7.7963
3645	0.00	7.04	*.2727	*.0402	*.0347	*.0008	-0.0014	-0.0003	6.7845
3646	0.00	9.03	*.3703	*.0627	*.0563	*.0006	-0.0008	-0.0001	5.9019
3647	0.00	11.11	*.4743	*.0946	*.0788	*.0017	-0.0004	-0.0005	5.0135
3648	0.00	13.10	*.5665	*.1320	*.1017	*.0004	-0.0000	-0.0006	4.2909
3649	0.00	15.08	*.6579	*.1762	*.1230	*.0026	-0.0027	-0.0007	3.7337
3650	0.00	17.02	*.7347	*.2237	*.1479	*.0007	-0.0038	-0.0001	3.2840
3651	0.00	18.95	*.8090	*.2779	*.1768	*.0003	-0.0039	-0.0002	2.9114
3652	0.00	20.98	*.8952	*.3438	*.1979	*.0001	-0.0031	-0.0022	2.6035
3653	0.00	22.79	*.9763	*.4127	.2210	*.0015	-0.0061	-0.0084	2.3658

## RUN 710

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
3724	2.00	-3.17	-0.0997	0.0158	0.0374	0.0030	-0.0135	-0.0022	-6.3254
3725	2.00	*.97	*.0372	*.0110	*.0291	*.0031	-0.0165	-0.0030	*.3789
3726	2.00	5.00	*.1912	*.0249	*.0274	*.0008	-0.0129	-0.0031	7.6656
3727	2.00	6.97	*.3799	*.0637	*.0562	-0.0045	-0.0105	-0.0029	5.9610
3728	2.00	13.11	*.5685	*.1317	*.0940	-0.0060	-0.0087	-0.0016	4.3177
3729	2.00	17.01	*.7352	*.2239	*.1420	-0.0056	-0.0071	-0.0009	3.2834
3730	2.00	20.91	*.8910	*.3401	*.1880	-0.0051	-0.0189	-0.0099	2.6198

RUN 711

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
3301	5.00	-3.20	-0.1997	0.0162	0.0324	0.0044	-0.0316	-6.1551
3302	5.00	0.91	0.0377	0.0116	0.0245	-0.0001	-0.0344	3.2572
3303	5.00	4.94	0.1933	0.0247	0.0267	-0.0030	-0.0304	7.0147
3304	5.00	0.00	0.3728	0.0527	0.0524	-0.0092	-0.0292	5.9430
3305	5.00	13.14	0.5526	0.1282	0.0941	-0.0133	-0.0231	4.3096
3306	5.00	17.05	0.7310	0.2231	0.1365	-0.0149	-0.0266	3.2772
3807	5.00	20.96	0.9042	0.3462	0.1757	-0.0126	-0.0341	2.6121

RUN 712

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
3878	10.00	-3.27	-0.1056	0.0162	0.0211	-0.0037	-0.0677	-6.5340
3879	10.00	0.91	0.352	0.0104	0.0198	-0.0014	-0.0675	3.3815
3880	10.00	5.02	0.1907	0.0246	0.0208	-0.0089	-0.0712	7.7585
3881	10.00	8.99	0.3536	0.0588	0.0471	-0.0177	-0.0644	6.0128
3882	10.00	13.13	0.5272	0.1214	0.0855	-0.0260	-0.0562	4.3422
3883	10.00	16.95	0.7025	0.2113	0.1271	-0.0326	-0.0422	3.3243
3884	10.00	20.90	0.8742	0.3327	0.1631	-0.0319	-0.0537	2.6278

RUN 713

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
3955	15.00	-3.24	-0.1044	0.0140	0.0186	-0.0071	-0.1086	-7.4549
3956	15.00	0.90	0.0193	0.0093	0.0198	-0.0034	-0.1086	2.0694
3957	15.00	4.97	0.1634	0.0222	0.0220	-0.0145	-0.1124	7.3694
3958	15.00	8.96	0.3376	0.0561	0.0474	-0.0256	-0.1037	6.0180
3959	15.00	13.06	0.4945	0.1121	0.0847	-0.0344	-0.0945	4.4103
3960	15.00	17.00	0.6539	0.1975	0.1289	-0.0406	-0.0762	3.3115
3961	15.00	20.90	0.8241	0.3111	0.1522	-0.0420	-0.0872	2.6492

## RUN 714

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4032	20.00	-3.20	-1343	.0143	-.0116	.0105	-.01489	.0167	-9.3723
4033	20.00	.90	.0023	.0085	-.0026	-.0032	-.01535	.0172	.2697
4034	20.00	4.97	.1480	.0202	.0088	-.0173	-.01578	.0200	7.3370
4035	20.00	8.98	.3082	.0518	.0391	-.0329	-.01585	.0186	5.9515
4036	20.00	13.05	.4729	.1074	.0756	-.0416	-.01431	.0142	4.4049
4037	20.00	17.00	.6221	.1871	.1130	-.0475	-.01173	.0093	3.3248
4038	20.00	20.92	.7664	.2900	.1370	-.0471	-.01009	-.0141	2.6426

## RUN 715

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4111	0.00	-5.18	-.1835	.0351	.0429	.0084	-.0084	.0025	-5.2278
4112	0.00	-3.25	-.1119	.0254	.0375	.0100	-.0038	.0012	-4.4061
4113	0.00	-1.15	-.0381	.0202	.0363	.0082	-.0043	.0019	-1.8836
4114	0.00	.92	.0270	.0193	.0346	.0098	-.0074	.0025	1.3992
4115	0.00	2.95	.0949	.0231	.0311	.0081	-.0036	.0020	4.1027
4116	0.00	4.93	.1796	.0314	.0355	.0065	-.0074	.0026	5.7141
4117	0.00	7.04	.2620	.0463	.0446	.0045	-.0044	.0026	5.6519
4118	0.00	9.10	.3706	.0706	.0661	.0039	-.0066	.0026	5.2520
4119	0.00	11.06	.4545	.0971	.0830	.0023	-.0004	.0017	4.6796
4120	0.00	13.13	.5513	.1347	.1064	-.0003	*.0020	.0006	4.0940
4121	0.00	15.03	.6255	.1728	.1245	*.0018	*.0002	.0008	3.6203
4122	0.00	17.03	.7130	.2237	.1492	*.0043	-.0016	.0013	3.1870
4123	0.00	19.03	.7852	.2768	.1806	*.0025	*.0006	.0010	2.8364
4124	0.00	20.91	.8740	.3413	.1980	*.0010	*.0008	.0016	2.5609
4125	0.00	22.70	.9526	.4069	.2147	*.0031	-.0035	-.0043	2.3411

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CYH	CSF	L/D
4271	0.00	-5.20	-0.1802	0.373	.0346	.0022	-0.0024	-4.8308	-4.8308
4272	0.00	-3.21	-0.1087	0.274	.0294	.0037	-0.0048	-3.9679	-3.9679
4273	0.30	-1.17	-0.0341	0.223	.0260	.0017	-0.0018	-1.5279	-1.5279
4274	0.00	'95	0.0319	0.218	.0232	-0.0012	-0.0001	-1.4639	-1.4639
4275	0.00	2.98	0.1064	0.246	.0215	.0035	-0.0056	-0.006	-0.006
4276	0.00	5.01	0.1799	0.331	.0197	.0014	-0.0039	-0.007	-0.007
4277	0.00	7.05	0.2807	0.486	.0372	-0.0001	-0.0004	-0.012	-0.012
4278	0.00	9.03	0.3667	0.696	.0573	-0.0014	-0.0011	-0.016	-0.016
4279	0.00	11.05	0.4640	0.988	.0790	-0.0066	-0.0038	-0.024	-0.024
4280	0.00	13.07	0.5558	1.346	.0996	-0.0028	-0.0031	-0.031	-0.031
4281	0.00	15.11	0.6385	1.766	.1174	-0.0035	-0.0027	-0.028	-0.028
4282	0.00	17.00	0.7106	2.214	.1469	-0.0026	-0.0050	-0.042	-0.042
4283	0.00	18.92	0.7911	2.753	.1717	-0.0033	-0.0091	-0.060	-0.060
4284	0.00	20.98	0.8846	3.439	.1866	-0.0040	-0.0064	-0.059	-0.059
4285	0.00	22.78	0.9626	4.111	.2052	-0.0024	-0.0040	-0.010	-0.010

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CYH	CSF	L/D
4286	0.00	-5.10	-0.1744	0.335	.0355	-0.0018	-0.0016	-0.022	-5.2063
4287	0.00	-3.22	-0.0966	0.248	.0297	-0.0029	-0.0018	-0.020	-3.8959
4288	0.00	-1.15	-0.0330	0.203	.0230	-0.0021	-0.0001	-0.025	-1.6274
4289	0.00	'95	0.0384	0.193	.0246	-0.0029	-0.0006	-0.027	1.9939
4290	0.00	2.99	0.1095	0.225	.0186	-0.0024	-0.0006	-0.022	4.8674
4291	0.00	5.09	0.1935	0.318	.0236	-0.0012	-0.0097	-0.003	6.0908
4292	0.00	7.00	0.2839	0.471	.0355	-0.0030	-0.012	-0.028	6.0259
4293	0.00	9.01	0.3832	0.695	.0573	-0.0045	-0.0025	-0.030	5.5100
4294	0.00	11.12	0.4645	0.967	.0725	-0.0060	-0.0049	-0.041	4.8017
4295	0.00	13.13	0.5708	1.364	.0979	-0.0065	-0.0053	-0.042	4.1832
4296	0.00	15.05	0.6523	1.771	.1221	-0.0053	-0.0066	-0.054	3.6820
4297	0.00	16.99	0.7217	2.210	.1435	-0.0064	-0.0071	-0.056	3.2651
4298	0.00	19.07	0.8025	2.785	.1631	-0.0089	-0.0072	-0.055	2.8813
4299	0.00	20.94	0.8854	3.407	.1826	-0.0078	-0.0078	-0.070	2.5990
4300	0.00	22.74	0.9701	4.090	.2049	-0.0054	-0.0033	-0.126	2.3718

## RUN 733

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CSF	CYR	L/D
4301	0.00	-5.14	-1649	0.0338	0.0249	-0.0010	0.0019	-0.0027	-4.8794
4302	0.00	-3.22	-0.941	0.0245	0.0243	-0.0003	0.0036	-0.0025	-3.8360
4303	0.00	-1.13	-0.0215	0.0198	0.0211	-0.009	0.0017	-0.0024	-1.0855
4304	0.00	.89	.0475	.0197	.0178	-0.012	0.019	-0.0032	2.4061
4305	0.00	2.98	*1242	*0242	*0173	-0.025	-0.0027	-0.0022	5.1390
4306	0.00	4.98	*1876	*0317	*0201	-0.022	-0.0032	-0.0022	5.9212
4307	0.00	7.02	*2858	*0491	*0255	-0.055	-0.0004	-0.0025	5.8189
4308	0.00	9.02	*3853	*0712	*0475	-0.073	-0.0039	-0.0029	5.4105
4309	0.00	11.08	*4883	*1029	*0655	-0.082	-0.0045	-0.0038	4.7441
4310	0.00	13.08	*5783	*1390	*0917	-0.061	-0.0046	-0.0046	4.1599
4311	0.00	15.11	*6632	*1819	*1103	-0.090	-0.0051	-0.0055	3.6453
4312	0.00	17.01	*7420	*2289	*1304	-0.070	-0.0079	-0.0053	3.2416
4313	0.00	18.98	*8147	*2826	*1687	-0.090	-0.0093	-0.0073	2.8827
4314	0.00	20.93	*9053	*3492	*1834	-0.089	-0.0107	-0.0069	2.5925
4315	0.00	22.78	*9881	*4195	*2017	-0.075	-0.0040	-0.0120	2.3553

## RUN 749

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CSF	CYR	L/D
4461	0.00	-5.14	-1746	0.0344	0.0337	*0263	-0.0094	*0042	-5.0791
4462	0.00	-3.20	-0.876	0.0249	0.0335	*0259	-0.0050	*0021	-3.5223
4463	0.00	-1.13	-0.0282	0.0212	0.0251	*0254	-0.0051	*0018	-1.3264
4464	0.00	.90	*0387	*0213	*0229	*0227	-0.0072	*0021	1.8191
4465	0.00	2.98	*1248	*0244	*0228	-0.028	-0.0068	*0020	5.1079
4466	0.00	4.99	*2017	*0321	*0256	*0175	-0.0049	*0012	6.2747
4467	0.00	7.05	*2872	*0478	*0321	*0165	-0.0028	*0011	6.0140
4468	0.00	9.00	*3827	*0696	*0516	*0133	-0.009	*0005	5.5024
4469	0.00	11.12	*4928	*1035	*0773	*0107	-0.036	*0015	4.7623
4470	0.00	13.11	*5872	*1422	*0934	*0089	-0.0040	*0026	4.1309
4471	0.00	15.09	*6690	*1049	*1148	*0080	-0.0057	*0024	3.6190
4472	0.00	17.06	*7454	*1385	*2338	*0070	-0.0061	*0021	3.1882
4473	0.00	18.95	*8282	*2895	*1634	*0064	-0.0100	*0031	2.3606
4474	0.00	20.94	*9090	*3549	*1884	*0083	-0.0089	*0046	2.5614
4475	0.00	22.75	*9775	*4183	*2083	*0094	-0.0055	*0059	2.3379

## RUN 824

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYR	L/D
6355	0.00	-5.16	.0219	.0557	-.0099	.0019	.0003	-.0004	•3932
6356	0.00	-3.17	.1132	.0476	-.0187	.0010	-.0015	-.0001	2.3782
6357	0.00	-1.16	.1730	.0472	-.0256	.0018	-.0031	-.0008	3.6608
6358	0.00	.93	.2488	.0489	-.0291	.0015	-.0023	-.0004	5.0934
6359	0.00	2.97	.3201	.0559	-.0397	.0013	-.0038	-.0004	5.7294
6360	0.00	4.98	.3960	.0627	-.0375	.0007	-.0041	-.0001	6.3132
6361	0.00	6.98	.4642	.0738	-.0316	.0004	-.0005	-.0004	6.2854
6362	0.00	9.03	.5377	.0933	-.0169	.0026	-.0003	-.0006	5.7652
6363	0.00	11.08	.5976	.1181	-.0039	-.0018	-.0013	-.0004	5.0603
6364	0.00	13.12	.6693	.1506	-.0141	-.0010	-.0026	-.0005	4.4449
6365	0.00	15.04	.7433	.1896	-.0279	-.0031	-.0036	-.0004	3.9206
6366	0.00	16.99	.8108	.2340	-.0358	-.0023	-.0027	-.0002	3.4658
6367	0.00	18.93	.8530	.2808	-.0572	-.0003	-.0015	-.0007	3.0374
6368	0.00	20.93	.9321	.3423	-.0734	-.0007	-.0016	-.0007	2.7228
6369	0.00	22.79	.9913	.3986	-.0824	-.0015	-.0036	-.0077	2.4871

## RUN 825

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYR	L/D
6440	5.00	-3.20	.0906	.0483	-.0140	.0031	-.0412	.0075	1.8748
6441	5.00	.93	.2433	.0482	-.0308	-.0042	-.0393	.0090	5.0438
6442	5.00	4.97	.3968	.0630	-.0393	-.0112	-.0363	.0081	6.2941
6443	5.00	9.00	.5340	.0920	-.0223	-.0164	-.0327	.0044	5.8041
6444	5.00	13.10	.6710	.1487	-.0096	-.0153	-.0299	.0001	4.5108
6445	5.00	17.00	.7976	.2296	-.0394	-.0158	-.0246	-.0045	3.4738
6446	5.00	20.92	.9254	.3342	-.0697	-.0147	-.0316	-.0172	2.7689

RUN 765

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4591	0.00	.21	.0006	.0346	-.0601	.0012	-.0003	.0005	2.3305
4592	0.00	-3.19	.1611	.0337	-.0590	.0031	-.0021	-.0001	4.7301
4593	0.00	-1.12	.2317	.0357	-.0729	.0022	-.0055	.0010	5.3089
4594	0.00	.92	.3035	.0442	-.0778	.0020	-.0052	.0010	6.8666
4595	0.00	2.95	.3776	.0552	-.0852	.0025	-.0045	.0008	6.8412
4596	0.00	5.04	.4698	.0743	-.0466	-.0004	-.0037	.0011	6.3219
4597	0.00	7.01	.5575	.0980	-.0742	-.0026	-.0010	.0007	5.6864
4598	0.00	9.04	.6436	.1299	-.0544	-.0025	-.0012	.0003	4.9559
4599	0.00	11.05	.7394	.1704	-.0351	-.0039	-.0011	.0010	4.3404
4600	0.00	13.09	.8291	.2181	-.0085	-.0042	-.0023	.0007	3.8008
4601	0.00	15.03	.9149	.2709	-.0105	-.0036	-.0022	.0004	3.3767
4602	0.00	17.09	.9921	.3314	-.0391	-.0030	-.0010	.0008	2.9936
4603	0.00	1.94	1.0641	.3914	-.0763	-.0012	-.0022	.0001	2.7183
4604	0.00	20.92	1.1100	.4537	-.1122	-.0025	-.0042	-.0040	2.4168
4605	0.00	22.78	1.1749	.5259	-.1379	-.0014	-.0065	-.0043	2.02141

RUN 766

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
4676	2.00	-3.18	.1558	.0339	-.0663	.0017	-.0093	.0024	4.5877
4677	2.00	.93	.3053	.0433	-.0748	-.0003	-.0181	.0048	7.0432
4678	2.00	4.99	.4703	.0740	-.0829	-.0030	-.0182	.0046	6.3543
4679	2.00	8.99	.6446	.1289	-.0550	-.0062	-.0116	.0039	5.0017
4680	2.00	13.13	.8418	.2208	-.0051	-.0086	-.0077	.0036	3.8119
4681	2.00	17.03	.9862	.3270	-.0396	-.0100	-.0117	.0018	3.0156
4682	2.00	20.97	1.1266	.4582	-.1059	-.0098	-.0210	-.0065	2.4588

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## RUN 767

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYM	L/D
4753	5.00	-3.20	.1571	.0339	-.0685	-.0018	.0084	4.6359
4754	5.00	.92	.3027	.0439	-.0786	-.0044	.0109	6.9029
4755	5.00	5.00	.4683	.0733	-.0847	-.0075	.0106	6.3879
4756	5.00	8.98	.6353	.1269	-.0612	-.0126	.0276	5.0077
4757	5.00	13.10	.7903	.2073	-.0060	-.0121	-.0234	.0121
4758	5.00	17.01	.9429	.3137	-.0536	-.0108	-.0303	.0058
4759	5.00	20.94	.4460	1.0967	-.0967	-.0142	-.0393	2.4588

## RUN 768

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYM	L/D
4830	10.00	-3.21	.1413	.0336	-.0718	-.0039	-.0687	4.2039
4831	10.00	.91	.2770	.0441	-.0808	-.0101	-.0725	6.2863
4832	10.00	5.02	.4490	.0715	-.0869	-.0189	-.0649	6.2759
4833	10.00	8.99	.6137	.1222	-.0589	-.0254	-.0603	.0211
4834	10.00	13.05	.7255	.1897	-.0034	-.0212	-.0617	.0187
4835	10.00	17.03	.8848	.2942	-.0573	-.0302	-.0506	.0229
4836	10.00	20.93	1.0496	.4261	.0902	-.0299	-.0591	.0077

## RUN 769

POINT	BETA	ALPHA	CL	CD	CRM	CSF	CYM	L/D
4907	15.00	-3.20	.1476	.0320	-.0794	-.0064	-.1088	.0198
4908	15.00	.93	.2689	.0423	-.0816	-.0142	-.1116	.0225
4909	15.00	5.02	.4321	.0698	-.0800	-.0241	-.1031	.0219
4910	15.00	8.98	.5725	.1154	-.0484	-.0346	-.1011	.0220
4911	15.00	12.93	.6949	.1802	-.0111	-.0381	-.0984	.0247
4912	15.00	17.04	.8179	.2717	-.0578	-.0376	-.0787	.0224
4913	15.00	20.93	.9841	.3957	.0848	-.0405	-.0876	-.0011

## RUN 770

POINT	BETA	CL	CD	CPM	CRM	CSF	CYM	L/D
4984	20.00	.1099	.0342	-.1016	-.0050	-.1506	.0217	3.4173
4985	20.00	.2609	.0417	-.1030	-.0187	-.1550	.0219	6.2595
4986	20.00	.0656	.0637	-.0292	-.0159	.0199	5.8832	5.8832
4987	20.00	.3858	.0165	-.0443	-.0394	-.1513	.0216	4.9189
4988	20.00	.8.99	.5236	-.0069	-.0425	-.1474	.0156	3.8201
4989	20.00	13.11	.6436	-.0541	-.0494	-.1073	.0129	3.0212
4990	20.00	17.02	.7857	-.0729	-.0488	-.0947	-.0165	2.4820
4991	20.00	.9237	.3722	-.0729	-.0488	-.0947	-.0165	2.4820

## RUN 771

POINT	BETA	CL	CD	CPM	CRM	CSF	CYM	L/D
5091	0.00	-5.13	.0253	.0332	.0019	-.0009	-.0008	-6.4842
5092	0.00	-3.22	-.1018	.0163	.0014	-.0017	-.0002	-6.2424
5093	0.00	-1.17	-.0334	.0122	.0023	-.0037	-.0000	-2.7272
5094	0.00	.9:	.0352	.0116	.0015	-.0014	-.0000	3.0485
5095	0.00	3.00	.01082	.0115	.0014	-.0022	-.0000	7.1344
5096	0.00	4.98	.1894	.0216	.0025	-.0028	-.0002	7.9669
5097	0.00	7.03	.2743	.0216	.0023	-.0030	-.0004	4.3295
5098	0.00	8.99	.3748	.0664	.0033	-.0026	-.0005	6.8714
5099	0.00	11.13	.4706	.0664	.0034	-.0017	-.0005	6.0021
5100	0.00	13.08	.5572	.1287	.0900	-.0047	-.0015	5.0079
5101	0.00	15.07	.6490	.1728	.1146	-.0016	-.0036	3.7557
5102	0.00	17.03	.7414	.2251	.1393	-.0033	-.0011	3.2934
5103	0.00	18.99	.8205	.2798	.1639	-.0058	-.0012	2.9321
5104	0.00	20.94	.9132	.3478	.1910	-.0060	-.0057	2.6257
5105	0.00	22.77	.9786	.4107	.2168	-.0013	-.0050	2.3827

## RUN 772

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CYH	L/D
5176	5.00	-3.20	-10.08	.0155	.0300	.0049	.0077	-6.5068
5177	5.00	.90	.0470	.0102	.0253	.0018	.0020	-4.6122
5178	5.00	5.03	.1900	.0236	.0264	-.0039	.0067	8.0511
5179	5.00	6.98	.3671	.0607	.0500	-.0090	.0271	6.0435
5180	5.00	13.11	.5532	.1267	.0944	-.0124	.0190	4.3659
5181	5.00	17.00	.7218	.2181	.1292	-.0130	.0151	3.3091
5182	5.00	20.93	.8980	.3411	.1656	-.0133	.0208	2.6323

## RUN 773

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
5253	10.00	-3.17	-.0933	.0151	.0219	.0033	-.0580	.0136	-6.1885
5254	10.00	.98	.0338	.0109	.0101	-.0027	-.0612	.0150	3.0927
5255	10.00	5.02	.1795	.0232	.0178	-.0084	-.0593	.0162	7.7520
5256	10.00	9.00	.3639	.0597	.0464	-.0177	-.0515	.0149	6.0979
5257	10.00	13.12	.5356	.1220	.0856	-.0210	-.0469	.0137	4.3885
5258	10.00	17.09	.7055	.2134	.1200	-.0281	-.0359	.0160	3.3051
5259	10.00	20.93	.8708	.3299	.1514	-.0304	-.0398	.0016	2.6392

RUN 785

POINT	BETA	CD	CL	CPM	CRM	CSF	CYH	L/D
5580	0.00	-5.15	.1958	.0113	.0021	-.0004	-4.9633	
5581	0.00	-3.22	-1.042	.0243	.0050	-.0000	-4.2884	
5582	0.00	-1.15	-.0320	.0174	.0014	-.0008	-1.8359	
5583	0.00	.93	.0407	.0136	.0039	-.0051	2.9916	
5584	0.00	2.95	.1153	.0140	.0071	-.0025	8.2366	
5585	0.00	4.98	.1832	.0178	.0091	-.0000	10.2649	
5586	0.00	7.01	.2613	.0247	.0147	-.0002	10.5916	
5587	0.00	9.02	.3264	.0377	.0268	-.0031	8.6491	
5588	0.00	11.11	.4200	.0580	.0445	-.0021	7.2425	
5589	0.00	13.08	.5016	.0847	.0529	-.0019	5.9229	
5590	0.00	15.04	.5637	.1143	.0578	-.0031	4.9319	
5591	0.00	17.02	.6369	.1529	.0654	-.0032	4.1654	
5592	0.00	18.97	.7058	.1984	.0837	-.0011	3.5585	
5593	0.00	20.96	.7844	.2559	.1044	-.0018	3.0656	
5594	0.00	22.75	.8453	.3073	.1162	-.0021	2.7510	

RUN 801

POINT	BETA	CD	CL	CPM	CRM	CSF	CYH	L/D
5710	0.00	-5.20	.0730	.0428	.0979	-.0029	1.0706	
5711	0.00	-3.21	.1515	.0376	.0497	-.0037	4.0296	
5712	0.00	-1.12	.2323	.0371	.0981	-.0044	6.2604	
5713	0.00	.90	.2945	.0423	.1014	-.0024	6.9539	
5714	0.00	2.95	.3759	.0494	.1016	-.0003	7.6144	
5715	0.00	5.04	.4378	.0601	.1041	-.0006	7.2892	
5716	0.00	7.01	.5021	.0724	.0949	-.0011	6.9377	
5717	0.00	9.00	.5736	.0921	.0794	-.0010	6.2262	
5718	0.00	11.09	.6448	.1192	.0659	-.0015	5.4075	
5719	0.00	13.09	.7153	.1532	.0504	-.0017	4.6696	
5720	0.00	15.05	.7771	.1917	.0440	-.0011	4.0533	
5721	0.00	17.07	.8552	.2411	.0289	-.0019	3.5476	
5722	0.00	18.96	.9091	.2907	.0107	-.0024	3.1270	
5723	0.00	20.94	.9641	.3483	.0163	-.0000	2.7685	
5724	0.00	22.73	.4056	.0235	.0354	-.0005	2.5233	

## RUN 817

	POINT	CD	CPM	CSF	CYM	L/D
	5870	.0536	.0680	.0037	.0005	1.2038
	5871	.0521	.0445	-.0025	-.0009	3.4236
	5872	-3.16	.1349	.0021	-.0020	
	5873	0.00	.0394	-.0023	-.0008	5.3987
	5874	0.00	.2111	.0820	-.0008	
	5875	0.00	.0391	-.0008	-.0009	6.5626
	5876	0.00	.2874	.0437	-.0049	
	5877	0.00	.088	.0869	-.0008	6.0009
	5878	0.00	2.98	.3607	-.0019	7.1588
	5879	0.00	5.00	.4285	-.0012	
	5880	0.00	7.03	.5005	-.0010	7.1537
	5881	0.00	8.99	.5623	-.0015	
	5882	0.00	11.08	.6355	-.0024	6.7625
	5883	0.00	13.09	.7062	-.0017	
	5884	0.00	15.06	.7709	-.0021	6.1438
					-.0001	
					0.000	5.3234
					-.0015	4.6512
					0.0003	4.0406
					-.0002	3.5346
					0.0000	3.1032
					-.0017	2.6669
					0.0004	
					-.0007	2.1118
					-.0101	

	POINT	CD	CPM	CSF	CYM	L/D
	5955	2.00	.1348	-.0723	-.0022	3.4541
	5956	2.00	.97	.0390	0.002	
	5957	2.00	4.94	.0434	-.0102	3.5637
	5958	2.00	9.04	.4297	-.0114	
	5959	2.00	13.09	.5697	-.0114	0.031
	5960	2.00	16.99	.7056	-.0128	6.5637
	5961	2.00	20.92	.8415	-.0128	7.2947
					0.0081	0.0030
					-.0102	6.1527
					0.011	
					-.0123	4.6470
					0.0008	
					-.0094	3.5386
					0.002	2.7843
					-.0179	
					0.0198	

## RUN 818

## RUN 819

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6032	5.00	-3.23	.1317	.0378	-.0695	.0015	-.0353	.0073	3.4818
6033	5.00	.93	.2883	.0420	-.0855	-.0044	-.0398	.0097	6.8697
6034	5.00	4.97	.4227	.0592	-.0941	-.0103	-.0375	.0085	7.1419
6035	5.00	9.02	.5742	.0916	-.0723	-.0153	-.0303	.0039	6.2671
6036	5.00	13.05	.7047	.1507	-.0428	-.0165	-.0290	.0010	4.6767
6037	5.00	17.05	.8331	.2350	-.0131	-.0168	-.0256	-.0064	3.5459
6038	5.00	20.89	.9676	.3439	-.0153	-.0154	-.0318	-.0177	2.8137

## RUN 820

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6109	10.00	-3.17	.1218	.0373	-.0746	-.0003	-.0749	.0140	3.2674
6110	10.00	.93	.2775	.0405	-.0869	-.0110	-.0765	.0171	6.8596
6111	10.00	4.98	.4214	.0593	-.1008	-.0208	-.0726	.0162	7.1083
6112	10.00	8.95	.5673	.0935	-.0865	-.0282	-.0700	.0128	6.0684
6113	10.00	13.11	.7106	.1500	-.0468	-.0289	-.0626	.0066	4.7375
6114	10.00	16.98	.8425	.2371	-.0161	-.0314	-.0568	.0141	3.5529
6115	10.00	20.95	.9650	.3468	-.0196	-.0279	-.0581	.0027	2.7826

## RUN 821

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6186	15.00	-3.18	.1051	.0373	-.0813	-.0006	-.1168	.0163	2.8202
6187	15.00	.96	.2473	.0397	-.0965	-.0143	-.1163	.0176	6.2368
6188	15.00	5.02	.4003	.0588	-.1039	-.0253	-.1179	.0176	6.8026
6189	15.00	8.98	.5495	.0932	-.0865	-.0390	-.1093	.0124	5.8929
6190	15.00	13.08	.6882	.1484	-.0482	-.0453	-.0983	.0108	4.6378
6191	15.00	17.02	.8143	.2307	-.0092	-.0471	-.0865	.0165	3.5295
6192	15.00	20.91	.9323	.3335	-.0251	-.0371	-.0941	-.0048	2.7960

## RUN 822

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
6263	20.00	.0821	.0372	-.1176	.0001	-.1634	.0166	2.2091
6264	20.00	.98	.2241	.0391	-.1120	-.0152	-.1626	5.7286
6265	20.00	5.02	.3860	.0590	-.1131	-.0296	-.1663	6.5461
6266	20.00	9.07	.5328	.0955	-.0834	-.0461	-.1612	6.1422
6267	20.00	13.09	.6746	.1461	-.0412	-.0558	-.1505	5.5776
6268	20.00	17.01	.7863	.2190	-.0065	-.0612	-.1327	4.6190
6269	20.00	20.98	.8783	.3137	-.0227	-.0506	-.1165	3.5904

## RUN 823

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6340	0.00	-5.17	.0463	.0474	-.0341	.0046	-.0081	.0012	9.763
6341	0.00	-3.19	.1163	.0429	-.0432	.0036	-.0000	-.0006	2.7116
6342	0.00	-1.13	.1902	.0420	-.0499	.0014	-.0048	0.0006	4.5257
6343	0.00	.91	.2599	.0450	-.0570	.0020	-.0067	0.0008	5.7759
6344	0.00	2.96	.3426	.0496	-.0610	.0013	-.0022	0.0000	6.9110
6345	0.00	4.97	.4114	.0595	-.0622	.0000	-.0040	0.0003	6.9147
6346	0.00	6.97	.4758	.0721	-.0610	-.0008	-.0017	0.0003	6.6035
6347	0.00	9.03	.5456	.0910	-.0433	-.0010	-.0001	0.0004	5.9983
6348	0.00	11.04	.6173	.1168	-.0290	-.0026	-.0000	0.0004	5.2832
6349	0.00	13.08	.6920	.1509	-.0118	-.0038	-.0027	0.0008	4.5866
6350	0.00	15.05	.7610	.1890	-.0056	-.0009	-.0049	0.0005	4.0267
6351	0.00	17.01	.8237	.2343	-.0090	-.0020	-.0033	0.0003	3.5164
6352	0.00	18.97	.8783	.2849	-.0316	-.0014	-.0019	0.0006	3.0823
6353	0.00	20.84	.9376	.3392	-.0480	-.0003	-.0021	0.0006	2.7644
6354	0.00	22.80	1.0130	.4040	-.0597	-.0013	-.0022	0.0091	2.5075

RUN 826

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6517	10.00	6.82	•4612	•0737	-.0506	-.0249	-.0696	.0147	6.2600
6518	10.00	-3.21	•0840	•0476	-.0221	-.0007	-.0764	.0134	1.7652
6519	10.00	.92	•2347	•0471	-.0351	-.0112	-.0754	.0161	4.9793
6520	10.00	5.02	•3978	•0624	-.0504	-.0224	-.0749	.0162	6.3745
6521	10.00	8.99	•5367	•0932	-.0406	-.0292	-.0723	.0112	5.7603
6522	10.00	13.07	•6734	•1460	-.0082	-.0299	-.0660	.0070	4.6129
6523	10.00	17.09	•8028	•2321	-.0285	-.0314	-.0527	.0156	3.4589
6524	10.00	20.95	•9286	•3372	•0705	-.0284	-.0583	.0042	2.7537

RUN 827

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6595	0.00	-5.09	•0445	•0650	•0136	•0042	-.0057	-.0005	-.0696
6596	0.00	-3.16	•0796	•0579	•0079	•0020	•0070	•0013	1.3736
6597	0.00	-1.19	•1534	•0554	•0014	•0010	•0043	•0003	2.7681
6598	0.00	.90	•2348	•0565	•0054	•0002	•0068	•0007	4.1579
6599	0.00	2.98	•3025	•0624	•0137	-.0004	•0000	•0000	4.8445
6600	0.00	4.97	•3733	•0690	-.0023	-.0030	•0005	•0005	5.4096
6601	0.00	6.99	•4522	•0802	-.0123	-.0017	•0012	•0001	5.6422
6602	0.00	8.99	•5132	•0965	•0048	•0033	•0006	•0002	5.3162
6603	0.00	11.07	•5841	•1225	•0161	•0034	•0008	•0006	4.7696
6604	0.00	13.07	•6509	•1529	•0322	•0035	•0004	•0008	4.2565
6605	0.00	15.05	•7180	•1907	•0484	•0050	•0001	•0014	3.7640
6606	0.00	17.00	•7832	•2331	•0581	•0032	•0002	•0002	3.3595
6607	0.00	18.89	•8326	•2796	•0742	•014	•0001	•0002	2.9772
6608	0.00	21.03	•9038	•3411	•0963	•0047	•0009	•0005	2.6495
6609	0.00	22.82	•9678	•3979	•1076	-.0037	•0011	•0003	2.4322

RUN 828

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
6610	0.00	-5.14	0.445	-0.0664	0.0073	-0.0117	0.9874	3.4037
6611	0.00	-3.17	1.355	-0.0393	0.0973	.0154	-0.0138	5.3240
6612	0.00	-1.13	2.109	-0.0396	-0.0783	0.0030	-0.0140	6.3998
6613	0.00	0.95	2.356	-0.0446	-0.0850	0.0031	.0103	6.8973
6614	0.00	2.96	3.517	-0.0510	-0.0928	0.0028	.0111	7.0109
6615	0.00	5.07	4.243	-0.0605	-0.0917	0.0040	.0137	6.8245
6616	0.00	6.97	4.979	-0.0730	-0.0866	-0.0005	.0194	5.2363
6617	0.00	9.01	5.227	-0.0924	-0.0727	0.0020	.0177	4.6066
6618	0.00	11.15	6.276	-0.1199	-0.0632	0.0008	.0142	2.7515
6619	0.00	13.13	7.035	-0.1527	-0.0422	0.0001	.0222	2.5041
6620	0.00	15.04	7.679	-0.1907	-0.0337	0.0000	.0214	1.0239
6621	0.00	17.05	8.423	-0.2393	-0.0236	-0.0005	.0183	3.5191
6622	0.00	18.94	8.965	-0.2891	-0.032	-0.0026	.0198	3.1014
6623	0.00	20.93	9.669	-0.3514	-0.0131	-0.0022	.0189	2.0239
6624	0.00	22.80	1.0280	-0.4105	-0.0255	-0.0027	.0100	1.0239

RUN 829

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
6625	0.00	-5.20	0.555	0.0472	-0.0633	0.0088	.0322	-0.0267	1.01769
6626	0.00	-3.18	1.305	0.0426	-0.0727	0.0093	.0301	-0.0260	3.0647
6627	0.00	-1.07	2.068	0.0426	-0.0796	0.0085	.0276	-0.0252	4.8518
6628	0.00	0.91	2.802	0.0466	-0.0837	0.0036	.0303	-0.0256	6.0160
6629	0.00	2.95	3.646	0.0542	-0.0919	0.0055	.0291	-0.0252	6.7273
6630	0.00	4.97	4.324	0.0643	-0.0919	0.0019	.0349	-0.0265	6.7269
6631	0.00	6.99	5.008	0.0779	-0.0861	0.0036	.0340	-0.0267	6.4324
6632	0.00	9.00	5.638	0.0965	-0.0747	0.0013	.0352	-0.0268	5.8415
6633	0.00	11.06	6.355	-0.0564	-0.0118	0.0018	.0364	-0.0269	5.1854
6634	0.00	13.13	6.992	-0.1549	-0.0433	0.0027	.0416	-0.0275	4.5134
6635	0.00	15.11	7.662	-0.1954	-0.0335	0.0020	.0400	-0.0271	3.9220
6636	0.00	17.10	8.356	-0.2415	-0.0243	0.0034	.0371	-0.0267	3.4592
6637	0.00	18.99	8.953	-0.2935	-0.0044	0.0040	.0394	-0.0267	3.0506
6638	0.00	20.92	9.606	-0.3530	-0.0121	0.0054	.0386	-0.0275	2.7212
6639	0.00	22.74	1.0263	-0.4121	-0.0263	0.0002	.0312	-0.0356	2.4907

RUN 830

POINT	BETA	ALPHA	CD	CPM	CSF	CYR	L/D
6640	0.00	-5.19	.0546	.0506	-0.650	.0094	1.0791
6641	0.00	-3.18	.1276	.0461	-0.0702	.0087	2.7662
6642	0.00	-1.15	.2142	.0457	-0.0785	.0064	4.6900
6643	0.00	.90	.2864	.0500	-0.0824	.0067	0.377
6644	0.00	2.97	.3616	.0566	-0.0894	.0060	0.377
6645	0.00	4.99	.4207	.0660	-0.0923	.0050	0.360
6646	0.00	7.00	.4967	.0792	-0.0948	.0054	0.407
6647	0.00	9.00	.5633	.0984	-0.0709	.0053	0.409
6648	0.00	11.15	.6408	.1269	-0.0552	.0024	0.430
6649	0.00	13.07	.6979	.1569	-0.0439	.0028	0.455
6650	0.00	15.06	.7680	.1970	-0.0330	.0034	0.439
6651	0.00	17.03	.8356	.2435	-0.0211	.0055	0.462
6652	0.00	18.99	.8947	.2971	-0.0032	.0029	0.479
6653	0.00	20.92	.9639	.3564	-0.0106	.0048	0.464
6654	0.00	22.76	1.0297	.4162	.0294	.0042	0.399

RUN 831

POINT	BETA	ALPHA	CD	CPM	CSF	CYR	L/D
6726	-15.00	-3.21	.1307	.0429	-0.0846	.0129	3.0495
6727	-15.00	.88	.2699	.0462	-0.0957	.0228	-0.0405
6728	-15.00	4.98	.4153	.0654	-0.1067	.0347	5.8360
6729	-15.00	9.04	.5557	.1010	-0.0879	.0387	6.3516
6730	-15.00	13.07	.6851	.1563	-0.0461	.0444	5.5035
6731	-15.00	17.00	.8076	.2378	-0.0087	.0447	4.3829
6732	-15.00	20.90	.9229	.3396	.0144	.0342	3.3965

## RUN 832

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
6803	-10.00	-3.26	.1351	.0438	-.0766	.0117	.1078	-.0419	3.0825
6804	-10.00	.89	.2865	.0476	-.0905	.0204	.1055	-.0445	6.0190
6805	-10.00	4.97	.4124	.0652	-.0998	.0263	.1074	-.0434	6.3270
6806	-10.00	8.98	.5638	.0974	-.0807	.0308	.1046	-.0375	5.7902
6807	-10.00	13.08	.6987	.1548	-.0492	.0291	.1145	-.0328	4.5135
6808	-10.00	17.09	.8273	.2420	-.0165	.0320	.1042	-.0396	3.4185
6809	-10.00	20.98	.9710	.3579	-.0174	.0326	.1115	-.0280	2.7128

## RUN 833

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
6880	-5.00	-3.19	.1334	.0457	-.0708	.0104	.0734	-.0387	2.9206
6881	-5.00	.91	.2851	.0496	-.0830	.0134	.0782	-.0417	5.7498
6882	-5.00	4.97	.4242	.0664	-.0918	.0150	.0722	-.0385	6.3888
6883	-5.00	9.01	.5642	.0977	-.0751	.0161	.0705	-.0330	5.7770
6884	-5.00	13.12	.7123	.1599	-.0382	.0138	.0834	-.0321	4.4539
6885	-5.00	17.04	.8264	.2405	-.0125	.0189	.0782	-.0314	3.4364
6886	-5.00	20.91	.9729	.3504	-.0131	.0197	.0859	-.0181	2.7770

## RUN 834

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
6987	5.00	-3.20	.1294	.0457	-.0704	.0067	.0103	-.0261	2.8298
6988	5.00	.91	.2793	.0493	-.0849	.0003	.0067	-.0241	5.6657
6989	5.00	5.02	.4364	.0662	-.0923	-.0054	.0099	-.0249	6.5960
6990	5.00	9.00	.5637	.0978	-.0746	-.0099	.0136	-.0279	5.7636
6991	5.00	13.11	.7051	.1580	-.0469	-.0118	.0176	-.0322	4.4619
6992	5.00	17.02	.8317	.2410	-.0125	-.0124	.0247	-.0371	3.4505
6993	5.00	20.96	.9647	.3519	-.0122	-.0103	.0206	-.0477	2.7410

## RUN 835

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CFS	CYM	L/D
7064	10.00	-3.20	.1217	.0435	-.0728	.0054	-.0302	-.0182	2.7951
7065	10.00	.90	.2684	.0464	-.0867	-.0066	-.0304	-.0167	5.7854
7066	10.00	4.94	.4211	.0645	-.0982	-.0160	-.0290	-.0169	6.5330
7067	10.00	A.98	.5731	.0990	-.0825	-.0241	-.0192	-.0218	5.7918
7068	10.00	13.05	.7064	.1549	-.0544	-.0250	-.0149	-.0278	4.5602
7069	10.00	17.01	.8362	.2415	-.0117	-.0286	-.0028	-.0174	3.4624
7070	10.00	20.92	.9639	.3517	.0289	-.0243	-.0081	-.0352	2.7410

## RUN 836

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CFS	CYM	L/D
7141	15.00	-3.24	.0950	.0417	-.0811	.0071	-.0754	-.0148	2.2768
7142	15.00	.98	.2494	.0435	-.0919	-.0074	-.0755	-.0138	5.7358
7143	15.00	4.98	.3980	.0623	-.0960	-.0177	-.0747	-.0170	6.3854
7144	15.00	8.99	.5410	.0973	-.0803	-.0311	-.0625	-.0210	5.5578
7145	15.00	13.07	.6947	.1541	-.0448	-.0426	-.0507	-.0250	4.5057
7146	15.00	17.02	.8231	.2369	-.0018	-.0426	-.0398	-.0160	3.4739
7147	15.00	20.93	.9322	.3374	.0386	-.0341	-.0497	-.0354	2.7627

RUN 837

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
7218	0.00	-5.14	-0.0209	.0549	-.0351	.0225	-.0143	-.3811
7219	0.00	-3.17	.0378	.0499	-.0409	.0210	-.0140	.7580
7220	0.00	-1.15	.01262	.0466	-.0452	.0210	-.0154	2.7104
7221	0.00	.95	.02116	.0482	-.0493	.0185	-.0146	4.3904
7222	0.00	3.00	.02742	.0527	-.0558	.0171	-.0183	5.2059
7223	0.00	5.02	.03430	.0593	-.0550	.0189	-.0162	5.7856
7224	0.00	7.04	.04126	.0714	-.0499	.0161	-.0145	5.7759
7225	0.00	9.01	.04201	.0889	-.0391	.0149	-.0150	5.0057
7226	0.00	11.10	.05561	.1135	-.0238	.0157	-.0132	4.9002
7227	0.00	13.08	.06314	.1450	-.0087	.0127	-.0093	4.3552
7228	0.00	15.04	.07023	.1830	-.0499	.0114	-.0070	3.8371
7229	0.00	17.05	.07701	.2267	-.0089	.0098	-.0113	3.3965
7230	0.00	18.97	.08356	.2779	-.0314	.0100	-.0057	3.0193
7231	0.00	20.96	.09058	.3364	-.0394	.0112	-.0021	2.6930
7232	0.00	22.79	.09654	.3922	-.0478	.0118	-.0140	2.4615

RUN 853

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
7278	0.00	-5.15	-.0208	.0552	-.0340	.0208	-.0142	-.3762
7279	0.00	-3.21	.0461	.0492	-.0407	.0223	-.0193	.9370
7280	0.00	-1.15	.01260	.0468	-.0478	.0216	-.0184	2.6922
7281	0.00	.90	.02103	.0481	-.0520	.0196	-.0193	4.3747
7282	0.00	2.98	.02836	.0518	-.0550	.0216	-.0140	5.4721
7283	0.00	4.96	.03333	.0601	-.0584	.0191	-.0176	5.5452
7284	0.00	7.00	.04053	.0701	-.0537	.0190	-.0238	4.3826
7285	0.00	9.02	.04846	.0885	-.0394	.0184	-.0157	3.8506
7286	0.00	11.11	.05612	.1135	-.0239	.0146	-.0115	4.9425
7287	0.00	13.11	.06340	.1447	-.0101	.0137	-.0090	3.4222
7288	0.00	15.09	.07053	.1832	-.0044	.0127	-.0115	3.0389
7289	0.00	17.02	.07655	.2237	-.0073	.0133	-.0137	3.041
7290	0.00	18.94	.08332	.2742	-.0209	.0126	-.0089	2.7074
7291	0.00	20.91	.09077	.3353	-.0379	.0113	-.0036	2.7292
		22.77	.09699	.3917	-.0458	.0139	-.0093	2.4761

RUN 854

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CWM	L/D
7363	0.00	-5.08	.0166	.0535	-.0359	.0214	-.0195	-.3104
7364	0.00	-3.19	.0523	.0479	-.0449	.0206	-.0145	1.0934
7365	0.00	-1.14	.1324	.0452	-.0521	.0204	-.0214	2.9312
7366	0.00	.94	.2133	.0470	-.0540	.0186	-.0154	4.5389
7367	0.00	2.76	.2747	.0512	-.0599	.0173	-.0186	5.3659
7368	0.00	4.93	.3490	.0594	-.0612	.0180	-.0183	5.8710
7369	0.00	7.09	.4169	.0716	-.0570	.0181	-.0235	5.8236
7370	0.00	8.94	.4829	.0872	-.0484	.0143	-.0163	5.5359
7371	0.00	11.10	.5629	.1128	-.0311	.0132	-.0177	4.9905
7372	0.00	13.14	.6428	.1469	-.0201	.0096	-.0107	4.3768
7373	0.00	15.03	.7144	.1844	-.0116	.0072	-.0084	3.8735
7374	0.00	17.04	.7773	.2276	-.0029	.0107	-.0128	3.4155
7375	0.00	18.92	.8514	.2801	-.0224	.0121	-.0086	3.0396
7376	0.00	21.02	.9167	.3399	-.0340	.0101	-.0055	2.6967
7377	0.00	22.83	.9841	.3996	-.0423	.0110	-.0145	2.4629

RUN 870

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CWM	L/D
7523	0.00	-5.16	-.0185	.0644	-.0426	.0586	.0349	-.0186
7524	0.00	-3.19	.0586	.0562	-.0449	.0477	.0383	-.0209
7525	0.00	-1.17	.1329	.0547	-.0507	.0578	.0373	-.0237
7526	0.00	.88	.2009	.0615	-.0540	.0615	.0380	-.0239
7527	0.00	2.94	.2719	.0681	-.0556	.0688	.0350	-.0242
7528	0.00	4.97	.3403	.0688	-.0541	.0668	.0332	-.0243
7529	0.00	7.01	.4068	.0788	-.0541	.0712	.0337	-.0276
7530	0.00	8.98	.4840	.0956	-.0418	.0840	.0337	-.0276
7531	0.00	11.05	.5631	.1205	-.0305	.1205	.0268	-.0170
7532	0.00	13.10	.6380	.1519	-.0157	.1519	.0247	-.0113
7533	0.00	15.08	.7127	.1902	-.0126	.1902	.0203	-.0116
7534	0.00	17.01	.7791	.2320	-.0000	.2320	.0204	-.0124
7535	0.00	18.99	.8477	.2854	-.0207	.2854	.0201	-.0095
7536	0.00	20.91	.9149	.3431	-.0365	.3431	.0207	-.0098
7537	0.00	22.73	.9674	.3961	-.0433	.3961	.0206	-.0136

## RUN 886

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
7653	-15.00	-3.23	.0493	.0463	-.0625	.0181	.0893	-.0089	1.0629
7654	-15.00	.98	.1943	.0452	-.0731	.0296	.0946	-.0122	4.2986
7655	-15.00	4.97	.3335	.0605	-.0702	.0368	.0956	-.0107	5.5138
7656	-15.00	8.99	.4738	.0893	-.0572	.0482	.0770	-.0037	5.3049
7657	-15.00	13.09	.6267	.1463	-.0228	.0484	.0988	-.0024	4.2847
7658	-15.00	17.03	.7690	.2261	.0164	.0477	.0846	-.0050	3.4015
7659	-15.00	20.87	.8691	.3191	.0410	.0378	.0876	.0138	2.7239

## RUN 887

POINT	BET4	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
7730	-10.00	-3.19	.0513	.0465	-.0539	.0176	.0571	-.0071	1.1035
7731	-10.00	.92	.1991	.0455	-.0616	.0264	.0543	-.0087	4.3773
7732	-10.00	4.98	.3459	.0591	-.0704	.0315	.0502	-.0065	5.8513
7733	-10.00	8.97	.4905	.0874	-.0482	.0377	.0422	-.0022	5.6140
7734	-10.00	13.08	.6393	.1446	-.0213	.0342	.0578	-.0042	4.4221
7735	-10.00	16.98	.7690	.2227	-.0029	.0353	.0522	-.0014	3.4530
7736	-10.00	20.95	.9270	.3381	-.0331	.0327	.0547	-.0098	2.7419

## RUN 888

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
7807	-5.00	-3.20	.0581	.0467	-.0401	.0193	.0114	.0021	1.2430
7808	-5.00	.91	.2069	.0463	-.0547	.0244	.0109	.0001	4.4675
7809	-5.00	4.97	.3461	.0583	-.0598	.0276	.0144	-.0006	5.9345
7810	-5.00	8.99	.4897	.0875	-.0459	.0282	.0112	-.0033	5.5946
7811	-5.00	13.10	.6375	.461	-.0193	.0237	.0190	.0074	4.3630
7812	-5.00	17.04	.7660	.2253	-.0055	.0251	.0170	.0056	3.3996
7813	-5.00	20.91	.9205	.3333	-.0236	.0238	.0232	.0153	2.7618

## RUN A69

POINT	BETA	ALPHA	CL	CPM	CRM	CYH	CYM	L/D
7914	5.00	-3.19	.0574	.0411	.0425	.0192	.0120	1.2032
7915	5.00	.90	.2000	.0464	.0478	.0151	.0136	4.3141
7916	5.00	4.97	.3349	.0590	.0572	.00A1	.0153	5.6711
7917	5.00	0.02	.4066	.0889	.0408	.0035	.0113	5.4720
7918	5.00	13.09	.6361	.1444	.0220	-.0026	-.0439	4.4054
7919	5.00	16.98	.7723	.2244	.0024	-.0039	-.0388	3.4621
7920	5.00	20.94	.9108	.3314	.0255	-.0027	-.0420	2.7497

## RUN 890

POINT	BETA	ALPHA	CL	CPM	CRM	CSF	CYH	L/D
7991	10.00	-3.26	.0404	.0475	-.0472	.0186	-.0378	.8507
7992	10.00	.96	.1922	.0457	-.0554	.00A4	-.0917	2.012
7993	10.00	4.95	.3200	.0583	-.0646	.0006	-.0864	5.4919
7994	10.00	9.02	.4806	.0885	-.0483	-.0080	-.0820	5.4320
7995	10.00	13.09	.6387	.1436	-.0245	-.0120	-.0792	4.4465
7996	10.00	16.94	.7716	.2233	-.0034	-.0194	-.0678	3.4549
7997	10.00	21.07	.9155	.3368	.0284	-.0171	-.0664	2.7180

## RUN 891

POINT	BETA	ALPHA	CL	CPM	CRM	CSF	CYH	L/D
8078	15.00	-3.21	.0319	.0472	-.0565	.0197	-.1269	.6771
8079	15.00	.90	.1589	.0447	-.0660	.0078	-.1284	3.5580
8080	15.00	4.98	.3020	.0587	-.0677	-.0015	-.1342	5.1469
8081	15.00	8.96	.4591	.0889	-.0466	-.0160	-.1258	5.1661
8082	15.00	13.05	.6095	.1417	-.0189	-.0286	-.1123	4.3006
8083	15.00	16.98	.7632	.2208	-.0072	-.0305	-.0991	3.4567
8084	15.00	20.88	.9006	.3271	.0276	-.0292	-.1008	-.0033

	POINT	BETA	ALPHA	CD	CPM	CSF	CYM	L/D
8155	0.00	-5.15	.0244	.0476	.0660	.0091	.0022	.5134
8156	0.00	-3.25	.1153	.0416	.0706	.0088	.0013	2.7716
8157	0.00	-1.19	.1780	.0416	.0742	.0086	.0023	4.2800
8158	0.00	.93	.2683	.0441	.0791	.0078	.0035	6.0810
8159	0.00	2.99	.3291	.0511	.0873	.0069	.0037	6.4402
8160	0.00	4.97	.4022	.0589	.0876	.0059	.0029	6.8233
8161	0.00	7.05	.4720	.0726	.0801	.0054	.0026	6.4983
8162	0.00	8.98	.5410	.0915	.0655	.0021	.0021	5.9143
8163	0.00	11.09	.6038	.1161	.0539	.0004	.0017	5.2016
8164	0.00	13.06	.6682	.1460	.0349	.0030	.0014	4.5762
8165	0.00	15.05	.7344	.1838	.0188	.0034	.0010	3.9966
8166	0.00	17.05	.8100	.2309	.0057	.0045	.0033	3.5079
8167	0.00	18.92	.8586	.2777	.0138	.0069	.0035	3.0918
8168	0.00	20.97	.9369	.3426	.0320	.0071	.0053	2.7350
8169	0.00	22.83	.9965	.3995	.0451	.0099	.0132	2.4944

	POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
8170	0.00	-5.17	-.0095	.0532	.0415	.0160	.0083	.0035	.1788
8171	0.00	-3.25	.0749	.0464	.0470	.0156	.0112	.0036	.6131
8172	0.00	-1.16	.1601	.0438	.0506	.0177	.0156	.0055	3.6572
8173	0.00	.91	.2307	.0461	.0559	.0163	.0134	.0044	5.0063
8174	0.00	2.97	.3025	.0520	.0624	.0151	.0181	.0059	5.8120
8175	0.00	4.98	.3610	.0589	.0632	.0146	.0173	.0054	6.1280
8176	0.00	7.05	.4378	.0712	.0572	.0152	.0157	.0045	6.1494
8177	0.00	9.03	.5144	.0905	.0465	.0111	.0122	.0036	5.6849
8178	0.00	11.08	.5932	.1163	.0326	.0097	.0087	.0031	5.1011
8179	0.00	13.07	.6658	.1487	.0213	.0062	.0006	.0020	4.4771
8180	0.00	15.10	.7430	.1908	.0150	.0041	.0033	.0005	3.8940
8181	0.00	17.02	.8127	.2354	.0080	.0055	.0055	.0014	3.4520
8182	0.00	18.94	.8697	.2851	.0119	.0067	.0028	.0018	3.0500
8183	0.00	20.99	.9419	.3482	.0283	.0067	.0017	.0005	2.7052
8184	0.00	22.76	.4058	1.0057	.0370	.0060	.0060	.0098	2.4786

RUN 894

POINT	ALPHA	CD	CPM	CRM	CYF	L/D
8255	-5.15	.0557	-.0652	.0248	-.0074	1.0236
8256	-3.18	.1517	.0493	-.0685	.0227	3.0738
8257	-1.14	.2112	.0495	-.0732	.0240	4.02668
8258	0.97	.2876	.0543	-.0808	.0246	5.02956
8259	2.92	.3574	.0591	-.0841	.0238	6.0432
8260	4.98	.4222	.0702	-.0858	.0199	6.0137
8261	6.97	.4921	.0829	-.0791	.0185	5.09354
8262	9.01	.5576	.1005	-.0681	.0169	5.05482
8263	9.00	.6454	.1276	-.0491	.0126	5.0567
8264	11.13	.7010	.1570	-.0396	.0114	4.04636
8265	13.08	.7722	.1976	-.0286	.0101	3.09081
8266	15.15	.8443	.2436	-.0168	.0094	3.04656
8267	17.01	.9085	.2963	-.0098	.0040	3.0664
8268	18.93	.9714	.3562	-.0222	.0103	2.07271
8269	20.95	1.0376	.4179	-.0335	.0106	2.04829

RUN 895

POINT	BETA	ALPHA	CD	CPM	CRM	CYF	L/D
8340	-15.00	-3.17	.1294	-.0860	.0264	2.0128	2.08447
8341	-15.00	.90	.2822	-.0983	.0370	-.0154	5.08729
8342	-15.00	4.99	.4214	.0673	-.1054	-.0151	6.02601
8343	-15.00	9.02	.5668	.1009	-.0842	-.0102	5.06152
8344	-15.00	12.99	.6899	.1541	-.0462	-.0127	4.04765
8345	-15.00	17.07	.8238	.2380	-.0009	-.0123	3.04605
8346	-15.00	20.93	.9434	.3439	.0201	-.0009	2.07430

RUN 896

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
8417	-10.00	.23	.1510	.0459	-.0762	.0262	.0584	3.2885
8418	-10.00	.92	.2957	.0509	-.0932	.0360	.0511	5.8132
8419	-10.00	.02	.4318	.0675	-.1018	.0408	.0548	6.3935
8420	-10.00	.05	.5768	.1011	-.0801	.0409	.0657	5.7075
8421	-10.00	.08	.7069	.1557	-.0447	.0369	.0685	4.5401
8422	-10.00	.98	.8348	.2377	-.0182	.0364	.0624	3.5117
8423	-10.00	.92	.9775	.3544	-.0200	.0357	.0677	2.7586

RUN 897

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
8494	-5.00	-3.21	.1372	.0482	-.0763	.0295	.0195	2.8453
8495	-5.00	.89	.2789	.0532	-.0843	.0293	.0192	5.2397
8496	-5.00	.97	.4211	.0686	-.0885	.0302	.0230	6.1367
8497	-5.00	.03	.5590	.0987	-.0736	.0263	.0218	5.6615
8498	-5.00	.13.11	.7113	.1578	-.0459	.0203	.0295	4.5083
8499	-5.00	.17.04	.8354	.2410	-.0186	.0227	.0300	3.4666
8500	-5.00	.20.96	.9764	.3520	.0044	.0229	.0316	2.7739

RUN 898

POINT	BETA	ALPHA	CL	CD	CPM	CSF	CYM	L/D
8571	5.00	-3.22	.1423	.0534	-.0560	.0358	.0565	2.6672
8572	5.00	.92	.2884	.0560	-.0664	.0314	.0574	5.1541
8573	5.00	.01	.4270	.0734	-.0769	.0220	.0585	5.8147
8574	5.00	.99	.5680	.1050	-.0592	.0159	.0472	5.4079
8575	5.00	.13.15	.7185	.1633	-.0344	.0115	.0432	4.3999
8576	5.00	.17.01	.8502	.2441	-.0123	.0053	.0340	3.4835
8577	5.00	.20.92	.9811	.3523	.0222	.0046	.0386	2.7849

## RUN 899

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
8648	10.00	-3.20	.1045	.0508	-.0649	.0218	-.0864	.0181	2.0560
8649	10.00	.90	.2470	.0533	-.0754	.0106	-.0882	.0214	4.6306
8650	10.00	4.97	.3892	.0696	-.0854	-.0001	-.0876	.0221	5.5953
8651	10.00	8.99	.5508	.1032	-.0671	-.0042	-.0810	.0175	5.3361
8652	10.00	13.03	.6941	.1575	-.0470	-.0162	-.0712	.0101	4.4073
8653	10.00	17.02	.8209	.2376	-.0663	-.0221	-.0601	.0151	3.4555
8654	10.00	20.90	.9512	.3467	-.0256	-.0200	-.0610	.0012	2.7437

## RUN 900

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
8725	15.00	-3.19	.0960	.0504	-.0698	.0227	-.1277	.0222	1.7066
8726	15.00	.96	.2139	.0509	-.0765	.0070	-.1307	.0237	4.2025
8727	15.00	5.01	.3742	.0700	-.0834	-.0046	-.1298	.0226	5.3449
8728	15.00	9.03	.5198	.1032	-.0633	-.0187	-.1207	.0187	5.0373
8729	15.00	13.05	.6614	.1538	-.0279	-.0305	-.1121	.0126	4.3015
8730	15.00	17.07	.8009	.2343	-.0080	-.0352	-.0954	.0155	3.4189
8731	15.00	20.92	.9101	.3320	-.0350	-.0312	-.1008	-.0018	2.7410

RUN 901

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
8802	0.00	-5.7	.05222	.0474	-.0619	.0209	-.0099	.0025	1.031
8803	0.00	-3.20	.1366	.0432	-.0678	.0203	-.0078	.0033	2.1594
8804	0.00	-1.18	.2129	.0434	-.0757	.0198	-.0144	.0044	4.9106
8805	0.00	.93	.2802	.0488	-.0804	.0160	-.0116	.0042	5.7401
8806	0.00	2.94	.3572	.0551	-.0876	.0160	-.0108	.0041	6.4833
8807	0.00	4.97	.4186	.0647	-.0894	.0137	-.0126	.0041	6.4718
8808	0.00	6.99	.4869	.0769	-.0871	.0139	-.0081	.0031	6.3294
8809	0.00	9.03	.5643	.0965	-.0698	.0124	-.0084	.0022	5.8475
8810	0.00	11.08	.6321	.1219	-.0552	.0089	-.0009	.0002	5.1865
8811	0.00	13.07	.6953	.1528	-.0435	.0078	-.0004	.0001	4.5489
8812	0.00	15.06	.7741	.1947	-.0326	.0059	-.0031	.0000	3.9759
8813	0.00	17.03	.8415	.2402	-.0238	.0065	-.0003	.0019	3.5039
8814	0.00	18.97	.8993	.2931	-.0022	.0075	-.0015	.0012	3.0683
8815	0.00	20.92	.9663	.3532	-.0175	.0058	-.0038	.0079	2.7360
8816	0.00	22.78	.1.0313	.4123	-.0299	.0037	-.0055	.0155	2.5014

RUN 902

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
8917	0.00	-5.15	.06223	.0428	-.0697	.0054	-.0108	.0013	1.4561
8918	0.00	-3.22	.1346	.0406	-.0769	.0011	-.0011	.0005	3.3134
8919	0.00	-1.17	.2163	.0399	-.0851	.0017	-.0041	.0000	5.4215
8920	0.00	.88	.2849	.0442	-.0897	.0023	-.0029	.0006	6.4413
8921	0.00	2.94	.3624	.0512	-.0967	.0030	-.0018	.0010	7.0756
8922	0.00	4.94	.4352	.0591	-.0960	.0047	-.0066	.0001	7.3632
8923	0.00	7.00	.4991	.0734	-.0912	.0043	-.0007	.0017	6.8036
8924	0.00	9.00	.5727	.0939	-.0776	.0066	-.0021	.0017	6.0974
8925	0.00	11.11	.6414	.1203	-.0614	.0049	-.0003	.0020	5.3309
8926	0.00	13.13	.7126	.1539	-.0428	.0048	-.0007	.0021	4.6296
8927	0.00	15.11	.7815	.1941	-.0338	.0065	-.0039	.0029	4.0259
8928	0.00	16.99	.8402	.2369	-.0203	.0010	-.0010	.0017	3.5471
8929	0.00	19.06	.8997	.2925	-.0002	.0013	-.0027	.0006	3.0763
8930	0.00	20.93	.9715	.3520	-.0163	.0023	-.0010	.0077	2.7598
8931	0.00	22.78	1.0307	.4098	-.0225	.0040	-.0049	.0182	2.5148

## RUN 903

POINT	BETA	CL	CD	CPM	CRM	CSF	CYH	L/D
9002	5.00	-3.18	1275	0.385	-0.0720	-0.0026	-0.0078	3.3129
9003	5.00	0.90	2815	0.422	-0.0869	-0.0050	-0.0089	6.6624
9004	5.00	4.98	4325	0.594	-0.0953	-0.0098	-0.0080	7.2786
9005	5.00	8.98	5706	0.917	-0.0748	-0.0172	-0.0304	6.2196
9006	5.00	13.09	7122	1524	-0.0476	-0.0163	-0.0289	4.6744
9007	5.00	17.03	8348	2350	-0.0134	-0.0193	-0.0267	3.5519
9008	5.00	20.95	9610	3427	.0169	-0.0148	-0.0152	2.8045

## RUN 904

POINT	BETA	CL	CD	CPM	CRM	CSF	CYH	L/D
9079	10.00	-3.16	1184	0.393	-0.0787	-0.0007	-0.0766	3.0128
9080	10.00	96	2798	0.418	-0.0908	-0.0117	-0.0750	6.6902
9081	10.00	4.98	4068	0.596	-0.1018	-0.0206	-0.0775	6.9444
9082	10.00	9.01	5709	137	-0.0812	-0.0294	-0.0683	6.0956
9083	10.00	13.09	7092	1510	-0.0542	-0.0312	-0.0628	4.6958
9084	10.00	17.00	8355	2351	-0.0129	-0.0322	-0.0522	3.5531
9085	10.00	20.93	9586	3436	.0200	-0.0293	-0.0594	2.7896

## RUN 905

POINT	BETA	CL	CD	CPM	CRM	CSF	CYH	L/D
9156	2.00	-3.11	1543	0.369	-0.0990	.0037	-0.0089	4.1780
9157	2.00	98	2989	0.424	-1034	.0005	-0.0121	7.0534
9158	2.00	4.98	4426	0.594	-1032	-0.0046	-0.0120	7.4451
9159	2.00	9.06	5792	0.937	-0.0796	-0.0073	-0.0055	6.1830
9160	2.00	13.11	7164	1542	-0.0534	-0.0076	-0.0054	4.6449
9161	2.00	17.08	8441	2398	-0.0249	-0.0078	-0.0056	3.5207
9162	2.00	20.91	9630	3452	.0129	-0.0038	-0.0287	2.7892

RUN 906

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
9233	5.00	-3.17	.1503	.0374	-0.0937	.0042	-0.0203	-.0052	4.0167
9234	5.00	.93	.2917	.0423	-0.1023	.0104	-0.0187	-.0035	6.0943
9235	5.00	5.05	.4331	.0601	-0.1037	.0104	-0.0178	-.0044	7.2890
9236	5.00	.96	.5659	.0914	-0.0814	.0128	-0.0151	-.0073	6.1929
9237	5.00	13.12	.7112	.1527	-0.0527	.0156	-0.0129	-.0106	4.6591
9238	5.00	17.01	.8392	.2356	-0.0243	.0155	-0.0115	-.0115	3.5613
9239	5.00	20.94	.9649	.3438	-0.0160	.0137	-0.0261	-.0166	2.8063

RUN 908

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
9382	10.00	-3.22	.1376	.0380	-0.1021	.0038	-0.0349	-.0115	3.6199
9383	10.00	1.06	.2808	.0417	-0.1001	.0056	-0.0376	-.0098	6.7327
9384	10.00	5.02	.4150	.0599	-0.1009	.0151	-0.0358	-.0100	6.9295
9385	10.00	9.02	.5665	.0934	-0.0823	.0256	-0.0262	-.0151	6.0646
9386	10.00	13.18	.7148	.1527	-0.0519	.0263	-0.0243	-.0195	4.6828
9387	10.00	17.04	.8414	.2384	-0.0149	.0310	-0.0047	-.0150	3.5288
9388	10.00	20.97	.9651	.3466	-0.0282	.0268	-0.0193	-.0224	2.7846

RUN 909

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
9460	15.00	-3.22	.1207	.0376	-0.1041	.0053	-0.0572	-.0211	3.2068
9461	15.00	.95	.2582	.0392	-0.1014	.0066	-0.0622	-.0204	6.5888
9462	15.00	4.98	.3951	.0600	-0.1092	.0196	-0.0614	-.0228	6.5605
9463	15.00	9.04	.5445	.0935	-0.0781	.0321	-0.0497	-.0275	5.8219
9464	15.00	13.15	.6944	.1506	-0.0402	.0425	-0.0336	-.0317	4.6092
9465	15.00	17.03	.8205	.2328	-0.0118	.0432	-0.0178	-.0283	3.5246
9466	15.00	20.98	.9234	.3315	-0.0501	.0338	-0.0406	-.0387	2.7854

## RUN 910

POINT	BETA	ALPHA	CD	CPW	CRM	CSF	CYH	L/D
9537	20.00	-3.20	.0841	.0359	-.1872	.0085	-.0921	2.3418
9538	20.00	.91	.2183	.0380	-.1699	-.0055	-.0923	5.7471
9539	20.00	5.03	.3771	.0601	-.1653	-.0212	-.0905	6.2746
9540	20.00	8.97	.5251	.0941	-.1327	-.0392	-.0758	5.5835
9541	20.00	13.12	.6607	.1458	-.0878	-.0504	-.0720	4.5307
9542	20.00	17.04	.7897	.2211	-.0413	-.0597	-.0439	3.5718
9543	20.00	20.91	.8633	.3069	.0079	-.0534	-.0520	2.8128

## RUN 911

POINT	BETA	ALPHA	CL	CD	CPW	CRM	CSF	CYH	L/D
9614	0.00	-5.15	-.0097	.0335	-.0622	.0058	-.0063	-.0012	.2880
9615	0.00	-3.19	.0542	.0275	-.0638	.0042	-.0037	-.0003	1.9707
9616	0.00	-1.10	.1435	.0244	-.0658	.0033	-.0048	-.0003	5.8794
9617	0.00	.91	.2114	.0265	-.0643	.0030	-.0073	-.0007	7.9869
9618	0.00	2.98	.2856	.0324	-.0692	.0015	-.0033	-.0000	8.8169
9619	0.00	5.00	.3603	.0403	-.0702	-.0010	-.0032	-.0001	8.9423
9620	0.00	7.00	.4251	.0515	-.0627	-.0000	-.0014	-.0001	8.2523
9621	0.00	9.01	.4933	.0692	-.0482	-.0009	-.0033	-.0014	7.1307
9622	0.00	11.09	.5723	.0945	-.0320	-.0031	-.0011	-.0021	6.0558
9623	0.00	13.12	.6440	.1260	-.0199	-.0038	-.0024	-.0019	5.1131
9624	0.00	15.11	.7240	.1653	-.0099	-.0037	-.0023	-.0021	4.3805
9625	0.00	17.06	.7881	.2080	-.0040	-.0028	-.0026	-.0020	3.7892
9626	0.00	18.97	.8540	.2603	-.0217	-.0023	-.0005	-.0039	3.2802
9627	0.00	20.98	.9226	.3207	-.0391	-.0013	-.0034	-.0039	2.8770
9628	0.00	22.81	.9838	.3780	-.0567	-.0004	-.0116	-.0080	2.6024

## RUN 927

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
9747	5.00	-3.19	.0619	.0279	-.0633	.0043	-.0183	-.0056	2.2201
9748	5.00	.91	.2079	.0265	-.0663	-.0022	-.0173	-.0040	7.8454
9749	5.00	5.03	.3537	.0397	-.0642	-.0067	-.0196	-.0051	8.9002
9750	5.00	9.00	.4899	.0688	-.0462	-.0125	-.0145	-.0079	7.1232
9751	5.00	13.09	.6436	.1252	-.0191	-.0148	-.0133	-.0108	5.1420
9752	5.00	17.04	.7727	.2036	-.0072	-.0144	-.0129	-.0120	3.7952
9753	5.00	20.99	.9117	.3130	-.0370	-.0163	-.0249	-.0179	2.9131

## RUN 928

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYH	L/D
9824	10.00	-3.20	.0566	.0277	-.0684	.0070	-.0381	-.0136	2.0458
9825	10.00	.96	.1943	.0265	-.0659	-.0010	-.0346	-.0100	7.3353
9826	10.00	5.04	.3367	.0396	-.0654	-.0121	-.0353	-.0109	8.4985
9827	10.00	9.04	.4893	.0700	-.0474	-.0205	-.0280	-.0141	6.9946
9828	10.00	13.10	.6425	.1237	-.0226	-.0259	-.0234	-.0198	5.1934
9829	10.00	17.05	.7773	.2085	-.0113	-.0314	-.0026	-.0159	3.7282
9830	10.00	20.95	.9064	.3130	-.0449	-.0273	-.0147	-.0205	2.8960

RUN 929

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
101	0.00	-5.12	.0353	.0319	-.0882	.0008	-.0040	1.1054	1.0029
102	0.00	-3.19	.1133	.0268	-.0898	-.0005	-.0038	4.2218	4.0030
103	0.00	-1.12	.1978	.0262	-.0900	-.0013	-.0036	7.5500	7.0029
104	0.00	.97	.2663	.0297	-.0921	-.0022	-.0032	8.9744	8.0027
105	0.00	2.99	.3346	.0367	-.0972	-.0019	-.0049	9.1049	9.0026
106	0.00	5.01	.4091	.0460	-.0925	-.0042	-.0000	8.8955	8.0027
107	0.00	7.01	.4681	.0590	-.0841	-.0052	-.0005	7.9368	7.0030
108	0.00	9.05	.5352	.0779	-.0688	-.0041	-.0028	6.8719	6.0027
109	0.00	11.10	.6058	.1032	-.0522	-.0048	-.0027	5.8681	5.0030
110	0.00	13.07	.6701	.1343	-.0413	-.0052	-.0025	4.9891	4.0044
111	0.00	15.15	.7423	.1744	-.0292	-.0043	-.0030	4.2558	4.0037
112	0.00	17.05	.8255	.2231	-.0164	-.0038	-.0023	3.7007	3.0039
113	0.00	19.02	.8779	.2739	-.0023	-.0024	-.0050	3.2052	3.0035
114	0.00	20.95	.9425	.3320	-.0240	-.0023	-.0044	2.8386	2.0065
115	0.00	22.77	1.0053	.3908	-.0431	-.0028	-.0163	2.5726	2.0017

RUN 945

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
231	0.00	-5.17	.0075	.0347	-.0606	.0017	-.0057	2.173	2.0001
232	0.00	-3.20	.0968	.0280	-.0689	.0010	-.0044	3.4544	3.0003
233	0.00	-1.11	.1718	.0274	-.0772	.0014	-.0044	6.2803	6.0001
234	0.00	2.95	.2555	.0307	-.0796	-.0007	-.0101	8.3512	8.0021
235	0.00	5.00	.3256	.0374	-.0888	-.0023	-.0055	8.7055	8.0005
236	0.00	7.00	.3997	.0461	-.0864	-.0013	-.0042	8.6683	8.0004
237	0.00	9.05	.4544	.0586	-.0795	-.0012	-.0037	7.7516	7.0002
238	0.00	11.12	.5220	.0769	-.0627	-.0021	-.0010	6.7843	6.0001
239	0.00	13.18	.6012	.1034	-.0452	-.0038	-.0010	5.8162	5.0002
240	0.00	15.09	.6687	.1356	-.0287	-.0013	-.0006	6.9320	6.0009
241	0.00	17.07	.7347	.1720	-.0171	-.0041	-.0016	4.2711	4.0015
242	0.00	19.01	.8049	.2179	-.0103	-.0019	-.0009	3.6940	3.0015
243	0.00	21.00	.8766	.2714	-.0128	-.0016	-.0003	3.2084	3.0004
244	0.00	22.81	.9425	.3333	-.0261	-.0006	-.0036	2.8290	2.0018
245	0.00	22.81	1.0028	.3900	-.0371	-.0010	-.0110	2.5710	2.0010

## RUN 946

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
246	0.00	-5.16	-0.0294	0.0361	-0.0356	0.019	-0.0080	-0.0003	-0.8145
247	0.00	-3.21	0.0537	0.0281	-0.0394	0.022	-0.0066	-0.0004	1.0904
248	0.00	-1.15	0.1317	0.0250	-0.0435	0.012	-0.0041	-0.0001	5.02685
249	0.00	0.91	0.2087	0.0268	-0.0496	0.005	-0.0044	-0.0005	7.7842
250	0.00	3.01	0.2824	0.0315	-0.0585	0.011	-0.0098	-0.0014	8.9547
251	0.00	4.99	0.3473	0.0398	-0.0594	-0.016	-0.0076	-0.0010	8.7198
252	0.00	7.07	0.4224	0.0517	-0.0509	-0.021	-0.0061	-0.0005	8.1694
253	0.00	9.08	0.4932	0.0692	-0.0359	-0.0021	-0.0050	-0.0002	7.1317
254	0.00	11.07	0.5649	0.0929	-0.0216	-0.0051	-0.0005	-0.0003	6.0777
255	0.00	13.15	0.6370	0.1250	-0.0099	-0.0031	-0.0018	-0.0007	5.0949
256	0.00	15.06	0.7053	0.1606	-0.0011	-0.0030	-0.0021	-0.0016	4.3912
257	0.00	17.05	0.7801	0.2062	-0.0080	-0.0035	-0.0013	-0.0020	3.7824
258	0.00	19.00	0.8439	0.2578	-0.0270	-0.0012	-0.0018	-0.0048	3.02735
259	0.00	20.94	0.9201	0.3190	-0.0404	-0.0009	-0.0033	-0.0086	2.8845
260	0.00	22.82	0.9874	0.3797	-0.0523	-0.0018	-0.0100	-0.0169	2.6008

## RUN 947

POINT	BETA	ALPHA	CL	CD	CPM	CRM	CSF	CYM	L/D
331	5.00	-3.21	0.0471	0.0289	-0.0452	0.0025	-0.0375	-0.065	1.6309
332	5.00	0.94	0.2026	0.0273	-0.0535	-0.049	-0.0384	-0.0084	7.4140
333	5.00	5.00	0.3429	0.0399	-0.0607	-0.0102	-0.0365	-0.0076	8.6000
334	5.00	9.02	0.4925	0.0696	-0.0419	-0.0152	-0.0383	-0.0049	7.0792
335	5.00	13.15	0.6377	0.1252	-0.0187	-0.0162	-0.0318	-0.0002	5.0921
336	5.00	17.02	0.7704	0.2029	-0.0116	-0.0168	-0.0248	-0.0050	3.7960
337	5.00	20.97	0.9172	0.3141	-0.0307	-0.0170	-0.0241	-0.0072	2.9200

RUN 948

RUN 949

POINT	BETA	ALPHA	CD	CPM	CRM	CSF	CYM	L/D
486	0.00	-5.14	-0.0706	0.0461	0.2443	-0.0052	-0.0010	-1.5320
487	0.00	-3.18	0.0023	0.0376	0.0182	-0.0072	-0.0000	0.0607
488	0.00	-1.16	0.0926	0.0325	0.0108	-0.0054	-0.0003	2.8466
489	0.00	0.96	0.1701	0.0330	0.0049	-0.0035	0.0013	5.1601
490	0.00	3.01	0.2444	0.0358	-0.0017	0.0036	0.0116	6.8311
491	0.00	4.97	0.2995	0.0422	-0.0048	0.0018	0.0130	7.0581
492	0.00	7.05	0.2839	0.0527	-0.0003	0.0012	0.0003	7.2825
493	0.00	9.03	0.4535	0.0690	0.0178	-0.0038	-0.0005	6.5723
494	0.00	11.09	0.5259	0.0920	0.0282	-0.0006	0.0048	5.7147
495	0.00	13.10	0.6027	0.1231	0.0472	-0.0002	0.0007	4.8981
496	0.00	15.08	0.6785	0.1603	0.0594	-0.0013	0.0006	4.2328
497	0.00	17.08	0.7524	0.2047	0.0681	-0.0003	0.0013	3.6750
498	0.00	19.00	0.8009	0.2502	0.0803	-0.0002	0.0005	3.2009
499	0.00	21.00	0.8815	0.3125	0.0928	-0.0013	0.0029	2.8209
500	0.00	22.75	0.9666	0.3666	0.1068	-0.0119	0.0108	2.5815

POINT	BETA	ALPHA	CD	CPM	CSF	CYH	L/D
571	0.00	-5.20	-0.0207	-0.0064	-0.0448	-0.0028	-0.4614
572	0.00	-3.15	-0.0461	-0.0383	-0.0109	-0.0055	-1.2049
573	0.00	-1.09	-0.1259	-0.0355	-0.0212	-0.0033	-3.5477
574	0.00	-0.94	-0.2091	-0.0365	-0.0244	-0.0028	-5.7279
575	0.00	-0.01	-0.2853	-0.0410	-0.0320	-0.0012	-0.0112
576	0.00	4.99	-0.3544	-0.0487	-0.0335	-0.0069	-0.0025
577	0.00	7.05	-0.4190	-0.0608	-0.0287	-0.0070	-0.004
578	0.00	9.11	-0.4955	-0.0782	-0.0089	-0.0023	-0.003
579	0.00	11.07	-0.5615	-0.1015	-0.070	-0.0045	-0.004
580	0.00	13.10	-0.6354	-0.1327	-0.0244	-0.0065	-0.004
581	0.00	15.05	-0.7013	-0.1686	-0.0371	-0.0040	-0.003
582	0.00	17.06	-0.7707	-0.2136	-0.0430	-0.0030	-0.006
583	0.00	18.99	-0.8284	-0.2634	-0.0682	-0.0035	-0.006
584	0.00	20.92	-0.9004	-0.3217	-0.0807	-0.015	-0.011
585	0.00	22.84	-0.9655	-0.3801	-0.0923	-0.001	-0.012

POINT	BETA	ALPHA	CD	CPM	CSF	CYH	L/D
586	0.00	-5.06	-0.0224	-0.0245	-0.0138	-0.0040	-0.5067
587	0.00	-3.23	-0.0433	-0.0394	-0.0233	-0.0033	-1.0987
588	0.00	-1.06	-0.1257	-0.0353	-0.0396	-0.0118	-5.5571
589	0.00	1.00	-0.2002	-0.0376	-0.0439	-0.0146	-0.0040
590	0.00	2.95	-0.2626	-0.0419	-0.0509	-0.0265	-5.3295
591	0.00	5.01	-0.3360	-0.0498	-0.0524	-0.0209	-0.0047
592	0.00	7.07	-0.4072	-0.0608	-0.0483	-0.0130	-0.0047
593	0.00	9.03	-0.6791	-0.0765	-0.0360	-0.0072	-0.0058
594	0.00	11.10	-0.5550	-0.0993	-0.0231	-0.0144	-0.0016
595	0.00	13.14	-0.6364	-0.1309	-0.0099	-0.0097	-0.003
596	0.00	15.11	-0.7117	-0.1677	-0.020	-0.0015	-0.0021
597	0.00	17.06	-0.7773	-0.2111	-0.062	-0.0018	-0.0024
598	0.00	18.95	-0.8478	-0.2628	-0.0326	-0.0103	-0.0044
599	0.00	20.94	-0.9183	-0.3232	-0.0466	-0.0109	-0.0023
600	0.00	22.80	-0.9902	-0.3833	-0.0530	-0.0064	-0.0175

	POINT	ALPHA	BETA	CD	CPM	CRM	CYF	L/D
671	0.00	-5.16	-0.90	.0476	-0.0154	.0152	-.0041	-1.0691
672	0.00	-3.17	-0.34	.0380	-0.0182	.0157	-.0042	-0.897
673	0.00	-1.14	.0664	.0336	-0.0266	.0173	-.0066	1.9744
674	0.00	.93	15.08	.0338	-0.0297	.0173	-.0059	4.4612
675	0.00	2.67	22.20	.0371	-0.0366	.0149	-.0117	.0063
676	0.00	5.02	29.00	.0439	-0.0374	.0144	-.0211	.0068
677	0.00	7.05	35.59	.0555	-0.0315	.0131	-.0159	.0061
678	0.00	9.03	43.14	.0691	-0.0210	.0097	-.0156	.0057
679	0.00	11.10	50.81	.0921	-0.0076	.0098	-.0131	.0051
680	0.00	13.09	58.86	.1229	-0.0004	.0057	-.0091	.0036
681	0.00	15.08	66.26	.1592	-0.0107	.0071	-.0070	.0029
682	0.00	17.03	73.46	.2012	-0.0152	.0048	-.0085	.0034
683	0.00	18.99	80.21	.2512	-0.0376	.0072	-.0079	.0020
684	0.00	20.97	87.96	.3120	-0.0502	.0087	-.0139	-.0059
685	0.00	22.81	94.17	.3680	-0.0598	.0084	-.0146	-.0120

	POINT	ALPHA	BETA	CD	CL	CPM	CRM	CYF	L/D
686	0.00	-5.19	-0.954	.0473	-0.0151	.0188	-.0175	-.0054	-2.0168
687	0.00	-3.33	-0.954	.0473	-0.0151	.0176	-.0140	-.0051	-.6987
688	0.00	-1.18	.0620	.0333	-0.0222	.0181	-.0162	.0056	1.8641
689	0.00	.92	13.50	.0341	-0.0241	.0167	-.0162	.0059	3.9568
690	0.00	3.00	21.11	.0364	-0.0312	.0170	-.0204	.0067	5.8071
691	0.00	5.03	27.70	.0431	-0.0316	.0174	-.0202	.0069	6.4336
692	0.00	7.06	34.30	.0526	-0.0294	.0154	-.0251	.0076	6.5198
693	0.00	9.05	41.40	.0685	-0.0168	.0110	-.0194	.0062	6.0398
694	0.00	11.10	50.67	.0926	-0.0048	.0105	-.0121	.0054	5.4717
695	0.00	13.16	57.77	.1223	-0.0050	.0096	-.0071	.0046	4.7237
696	0.00	15.03	65.20	.1573	-0.0104	.0102	-.0084	.0023	4.1450
697	0.00	17.07	72.95	.2010	-0.0270	.0101	-.0119	.0039	3.6298
698	0.00	18.94	78.95	.2484	-0.0396	.0104	-.0081	.0015	3.1785
699	0.00	21.04	87.06	.3107	-0.0535	.0101	-.0135	-.0031	2.8018
700	0.00	22.75	93.01	.3631	-0.0605	.0101	-.0185	-.0088	2.5615

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CSF	CYM	L/D
701	0.00	-5.18	.0451	.0083	.0158	.00120	.0027	-3.6221	
702	0.00	-3.20	.0726	.0321	.0101	.0157	.0041	-2.2637	
703	0.00	-1.16	.0106	.0269	.0049	.0160	.0041	-3.426	
704	0.00	.91	.0619	.0251	.0013	.0139	.0048	2.4700	
705	0.00	3.02	.1432	.0263	.0030	.0134	.0058	5.4509	
706	0.00	5.01	.2063	.0307	.0060	.0139	.0067	6.7320	
707	0.00	7.06	.2831	.0385	.0005	.0118	.0058	7.3493	
708	0.00	8.97	.3537	.0512	.0082	.0095	.0046	6.9017	
709	0.00	11.12	.4424	.0733	.0218	.0070	.0092	6.0360	
710	0.00	13.12	.5244	.1012	.0329	.0058	.0059	5.1839	
711	0.00	15.02	.5922	.1321	.0378	.0049	.0054	4.4823	
712	0.00	17.04	.6686	.1728	.0493	.0052	.0043	3.8695	
713	0.00	18.91	.7374	.2191	.0690	.0083	.0052	3.3665	
714	0.00	20.93	.8101	.2763	.0752	.0081	.0092	2.9318	
		22.82	.8873	.3362	.0893	.0088	.0171	2.6393	
		715							

POINT	BETA	ALPHA	CD	CL	CPM	CRM	CSF	CYM	L/D
716	0.00	-5.18	.0433	.0037	.0138	.0028	.0024	-3.4002	
717	0.00	-3.13	.0660	.0319	.0029	.0136	.0031	-2.0713	
718	0.00	-1.17	.0054	.0251	.0013	.0142	.0047	*2144	
719	0.00	.93	.0778	.0235	.0006	.0123	.0034	3.3167	
720	0.00	.97	.1554	.0250	.0087	.0101	.0035	6.2248	
721	0.00	4.94	.2113	.0293	.0162	.0086	.0047	7.2181	
722	0.00	7.02	.2995	.0382	.0070	.0095	.0041	7.8336	
723	0.00	9.02	.3712	.0520	.0065	.0081	.0032	7.1396	
724	0.00	11.11	.4483	.0728	.0131	.0050	.0027	6.1579	
725	0.00	13.12	.5299	.1015	.0253	.0043	.0022	5.2206	
726	0.00	15.04	.6059	.1348	.0358	.0030	.0006	4.4946	
727	0.00	17.12	.6843	.1776	.0476	.0030	.0016	3.8533	
728	0.00	19.00	.7475	.2227	.0642	.0055	.0002	3.3565	
729	0.00	21.12	.8315	.2865	.0766	.0063	.0050	2.9019	
730	0.00	22.77	.9005	.3400	.0850	.0063	.0115	2.6483	